UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION III

841 Chestnut Building Philadelphia, Pennsylvania 19107

SUBJECT: RCRA Inspection

Triangle PNC

DATE: 8/3/88

FROM:

Dorglas A. Donor, Environmental Scientist

DELMARVA, DC/WV RCRA Enforcement Section (3HW15)

TO:

FILE

Victoria P. Binetti, Chie

DELMARVA, DC/WV RCRA Enforcement Section (3HW15)

BASED UPON REVIEW OF THE RCRA INSPECTION REPORT FOR THE FACILITY REFERENCED ABOVE, I HAVE DETERMINED THAT NO FURTHER ACTION IS REQUIRED AT THIS TIME.

CESQG In Cayelone



STATE OF WEST VIRGINIA DEPARTMENT OF NATURAL RESOURCES

ARCH A. MOORE, JR. Governor DIVISION OF WASTE MANAGEMENT 1260 Greenbrier Street Charleston, West Virginia 25311

RONALD R. POTESTA
Director
ROBERT K. PARSONS
Deputy Director

July 11, 1988

Mr. Bob Green
Triangle PWC, Inc.
1701 Wheeling Avenue
Glen Dale, West Virginia 26038

Dear Mr. Green:

Enclosed is a copy of the "Compliance Evaluation Inspection" Report completed on your facility by representatives of the Chief of the Division of Waste Management. This report is based on the inspection conducted on June 21, 1988.

There were no areas of non-compliance of the appropriate Hazardous Waste Regulations documented during this inspection.

Thank you for your assistance and cooperation during this inspection. If you have any questions concerning the inspection or attached report, please feel free to contact this office at 304/348-5929.

Sincerely,

DIVISION OF WASTE MANAGEMENT

Ava C. Zeitz

Compliance Monitoring and Enforcement Section Leader

RECEIVED

JUL 2 2 1988

ACZ/pd Enclosure

onese Manual Manual Control (1985年) 1985年 - 1985年 -

cc: Doug Donor, EPA, Region III
James Fenske, Inspector

INSPECTION FACT SHEET

COMPANY NAME: Triangle PWC, Inc.

I. D. #: WVD004314928

MAILING ADDRESS: 1701 Wheeling Avenue

Glen Dale, WV 26038

TYPE OF FACILITY: Conditionally Exempt

Small-Quantity Generator

LOCATION:

COUNTY: Marshall

COMPANY CONTACT: Mr. Bob Green

Plant Engineer

HANDLING CODES: SO2

PHONE: (304) 845-4020

PURPOSE: Compliance Evaluation Inspection

APPLICABLE REGULATIONS: West Virginia Hazardous Waste Management Act, Chapter 20-5E;

West Virginia Administrative Regulations for Chapter 20-5E;

and/or 40 CFR Part 265.

LIST OF CHEMICALS:

(For Small Quantity Generators, list amount of waste, how it is handled, where it goes)

D001

CONTRACTOR OF THE PROPERTY OF

4 drums/month

Safety-Kleen

DATE INSPECTED: June 21, 1988

INSPECTOR(S): (1) James R. Fenske, West Virginia Department of Natural Resources,
Division of Waste Management

(2)

(3)

DATE PREPARED: June 27, 1988

PREPARED BY: James R. Fenske, West Virginia Division of Waste Management

Triangle PWC, Inc., Glen Dale, WV004314928

DATE INSPECTED: June 21, 1988

James R. Fenske, West Virginia Division of Waste Management INSPECTOR:

DATE PREPARED: June 27, 1988

PREPARED BY: James Fenske

On June 21, 1988 at approximately 1400 hours the above referenced inspector conducted a Compliance Evaluation Inspection of the Triangle PWC facility, Glen Dale, West Virginia. Upon my arrival, I was met by Mr. Bob Green, Plant Engineer who had not previously been advised of my intentions to inspect the facility.

Upon presentation of the appropriate credentials I advised the company official of my authority as a representative of the Chief of the Division of Waste Management pursuant of Chapter 20 of the Code of West Virginia and as specified in Section 3007(a) of the Resource Conservation and Recovery Act and he acknowledged my authority. The company official was informed this inspection would emphasize the facility's compliance with the Hazardous Waste Management

he acknowledged my authority. The company official was informed this inspection would emphasize the facility's compliance with the Hazardous Waste Management Act (Chapter 20, Article 5E) and the regulations promulgated thereunder.

There have been no changes at the facility since the last inspection (see Compliance Evaluation Inspection dated March 6, 1987). The facility is continuing to utilize a second EPA identification number (WD002968389) which was inadvertently assigned. The facility should discontinue utilizing this number and begin using its original number (WD004314928) which has been reactivated. Hazardous wastes generated at the facility include four Safety-Kleen units containing mineral spirits (D001). The facility also utilizes Chloro-Solv for electrical parts degreasing. This solvent contains methy chloroform and ehtylene tetrachloride. According to facility representatives, only one-twenty gallon drum of this solvent is used per year and because it is used in such small quantities, no waste is generated.

All other wastestreams are generated from the facility's galvanizing process. The facility possesses two hot dip zinc coating tanks for steel sheet galvanizing and on each hot dip line, the steel sheets are first placed in an HCL bath. Steel pipes are zinc coated on an electroplating line. Prior to electroplating, the steel pipes are treated in sulfuric acid. A boric/sulfuric acid solution tank then acts the media for the zinc electrolisis process. After zinc electroplating, the steel pipes are coated with a nitric acid solution containing chrome which acts as a protectant. Spent hydrochloric acid and sulfuric acid are channelled to the facility's wastewater treatment plant. Also, small amounts of spillage from the nitric acid chrome solution tank is channeled to the treatment plant. According to facility representatives, less than one percent of the sludge generated at the wastewater treatment plant contains any chrome waste and this is in the trivalent form. To ensure all chrome wastes are in

CEI (Triangle PWC, Inc., Glen Dale, WVD004314928) June 27, 1988 Page two

detected, the acid solution is treated with sodium bisulfite. Acid solutions are then neutralized. Sludge is dewatered via filter press prior to disposing of it as a non-hazardous waste in Wheeling Landfill (the sludge has been formerly analyzed for chrome and lead and was found not to be Extraction Procedure Toxic). The sludge, formerly listed hazardous waste KO63, was delisted by the Environmental Protection Agency on December 5, 1984 (see March 6, 1987 inspection report for the appropriate delisting documents).

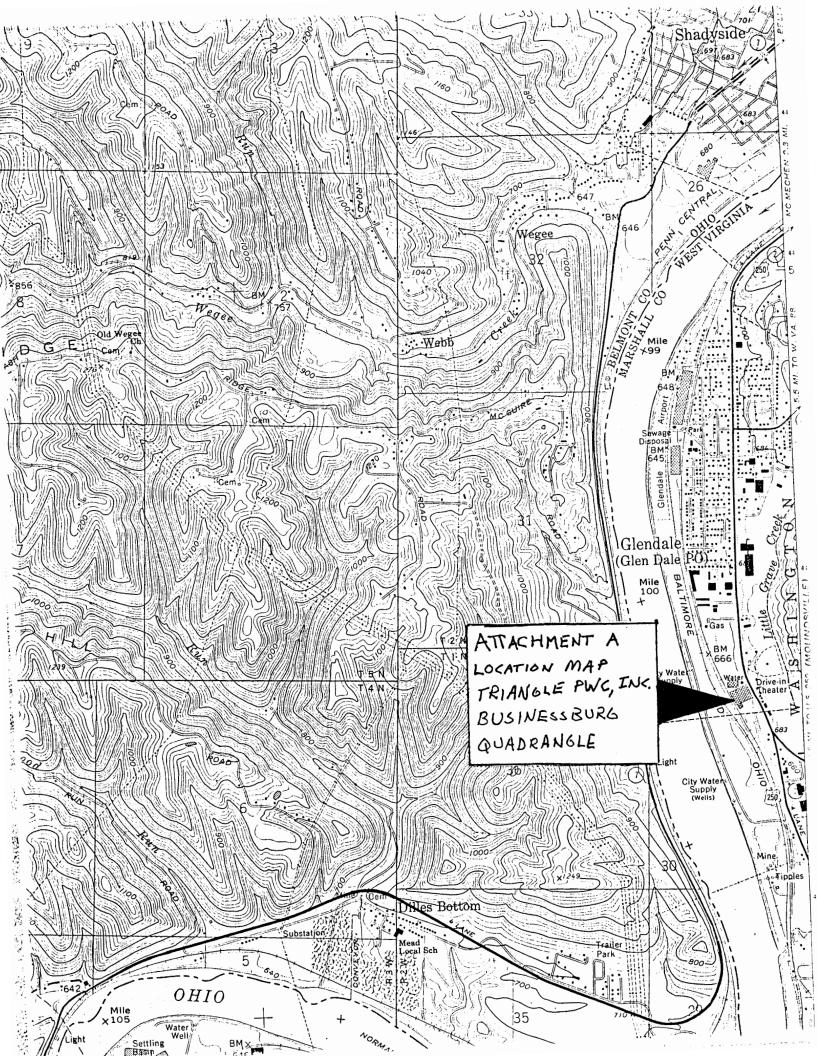
Sludge from the zinc electroplating tank as well as skimmings from the two zinc hot dip tanks is sent to St. Joe's Mineral Resources of Monaca, Pennsylvania for zinc recovery. According to facility representatives, sludge has never been removed from the nitric acid tank which contains chrome.

After examining appropriate documents, we then proceeded to conduct a physical inspection of the facility. During the inspection, approximately three dozen drums were noted at the facility's finished product storage yard. According to Mr. Green, the drums contain waste oil and grease.

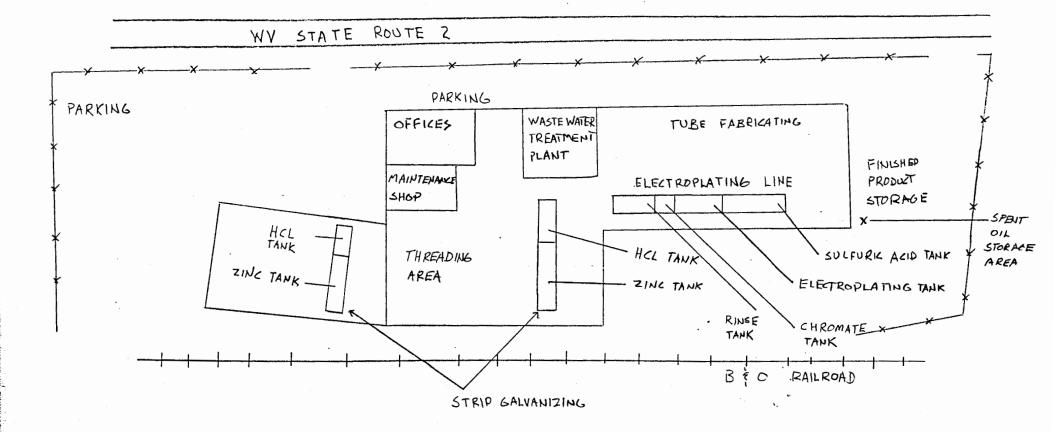
After the inspection, I thanked the facility representative for his cooperation and then departed.

Compliance Evaluation

No violations of the West Virginia Hazardous Waste Management Regulations were noted.



ATTACHMENT -B SITE MAP TRIANGLE PWC INC



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION III

841 Chestnut Building Philadelphia, Pennsylvania 19107

SUBJECT: RCRA Inspection TRIANGLE PWC, INC. Glen Dalo, WU WUP 00 431 4928

DATE: 5/27/87

FROM:

Douglas A. Donor, Environmental Scientist

DELMARVA, DC, WV RCRA Enforcement Section (3HW15)

TO:

John A. Armstead, Chief DELMARVA, DC, WV RCRA Enforcement Section (3HW15)

THE STATE IS TAKING ACTION TO RESOLVE THE VIOLATIONS IN THIS

INSPECTION REPORT.

WE WILL MONITOR THE STATE ACTIVITY REGARDING RESOLUTION OF THESE **VIOLATIONS.**

Despete information on SWHU like area's, this is a Generation only.
There is a manifest violation that invaid address.



RECEIVED

MAY 20 1987

STATE OF WEST VIRGINIA DEPARTMENT OF NATURAL RESOURCES DIVISION OF WASTE MANAGEMENT

1260 Greenbrier Street
Charleston, West Virginia 25311

RONALD R. POTESTA

ROBERT K. PARSONS
Deputy Director

CERTIFIED MAIL

RETURN RECEIPT REQUESTED

April 28, 1987

Mr. Charles McClarin
Triangle PWC, Inc.
1701 Wheeling Avenue
Glen Dale, West Virginia 26038

Dear Mr. McClarin:

ARCH A. MOORE, JR.

Governor

Enclosed is a copy of the "Compliance Evaluation Inspection" (CEI) Report completed on your facility by representatives of the Chief of the Division of Waste Management. This report is based on the inspection conducted on March 6, 1987.

Please refer to the "Compliance Evaluation" section of the report for those violations discovered during the course of this inspection.

A copy of this report will be referred to the Enforcement Unit of this Division with an additional copy transmitted to the United States Environmental Protection Agency (U. S. EPA), Region III. Philadelphia, Pennsylvania.

Thank you for your assistance and cooperation during this inspection. If you should have any questions concerning the inspection or attached report, please feel free to contact this office at 304/348-5929.

Sincerely,

DIVISION OF WASTE MANAGEMENT

Rebecca J. Robertson

Acting Compliance Monitoring and Enforcement Section Leader

RJR/pd Enclosure

cc: Doug Donor, EPA, Region III
John Meeks, Enforcement Unit
James Fenske, Inspector

INSPECTION FACT SHEET

COMPANY NAME: Triangle PWC, Inc.

ID# WVD004314928

ADDRESS: 1701 Wheeling Avenue

TYPE OF FACILITY: Small

Glen Dale, West Virginia 26038

Quantity Generator

COMPANY CONTACT: Mr. Charles McClarin

Technical Superintendent

PHONE; (304) 845-4020

PURPOSE: CEI

APPLICABLE REGULATIONS: West Virginia Hazardous Waste Management Act, Chapter 20-5E;

West Virginia Administrative Regulations for Chapter 20-5E;

and/or 40 CFR 265.

LIST OF CHEMICALS: DO01

DATE INSPECTED: March 6, 1987

INSPECTORS: (1) James R. Fenske, West Virginia Department of Natural Resources,

Division of Waste Management

(2)

DATE PREPARED: March 9, 1987

PREPARED BY: James R. Fenske, West Virginia Department of Natural Resources,

Division of Waste Management

TABLE OF CONTENTS

Inspection Report

Attachments:

- A Location Map
- B Site Map
- C Small Quantity Generator Checklist
- D Container Checklist
- E Material Safety-Data Sheet
- F Notification of Hazardous Waste Activity
- G K063 Sludge Delisting Document
- H 1983 Cyanide Sludge Manifest
- I 1986 "Waste Varnish" Manifest

Inspection Report

RE: Triangle PWC, Inc., Glen Dale, West Virginia - WVD004314928

DATE INSPECTED: March 6, 1987

INSPECTOR: James R. Fenske, West Virginia Department of Natural Resources,

Division of Waste Management

DATE PREPARED: March 9, 1987

PREPARED BY: James R. Fenske

On March 6, 1987 at approximately 1000 hours, the above referenced inspector conducted a Compliance Evaluation Inspection of the Triangle PWC Corporation, Glen Dale Plant. Upon my arrival I was met by Mr. Charles McClarin who had previously been advised of my intentions to inspect the facility.

Upon presentation of the appropriate credentials, I advised Mr. McClarin of my authority as a representative of the Chief of the Division of Waste Management pursuant of Chapter 20 of the Code of West Virginia and as specified in Section 3007(a) of the Resource Conservation and Recovery Act and he acknowledged my authority. Mr. McClarin was informed this inspection would emphasize the company's compliance with the Hazardous Waste Management Act (Chapter 20, Article 5E) and the regulations promulgated thereunder.

Triangle PWC processes consist of galvinizing and electroplating steel sheets and steel pipes with a zinc coating. The only hazardous wastes generated at this facility consist of four Safety-Kleen drums containing D001 mineral spirits (see Material Safety Date Sheet, Attachment "E"). On the facility's Notification of Hazardous Waste Activity Form (Attachment "F"), Triangle PWC has F002 listed as its hazardous waste and this inspector informed Mr. McClarin on the procedure to amend this notification form.

The waste zinc skimmings from the facility's hot steel dipline are resold to St. Joe's Mineral Resources of Monaca, Pennsylvania for zinc recovery. The waste pickle acids from the galvinizing/electroplating processes are treated at the facility's treatment plant. Lime is added for pH adjustment and the sludge generated is transported to the Wheeling Landfill. Wastewater from the treatment plant is discharged from a permitted NPDES outfall. The sludge generated from the treatment plant was at one time a listed hazardous waste (KO63) but has since been delisted (see Attachment "G").

This facility has had to obtain two provisional EPA ID Numbers to transport and dispose of "other" hazardous wastes discovered at the plant that were generated from former plant processes.

CEI (Triangle PWC, Glen Dale Plant, WV, WVD004314928) Page Two March 9, 1987

At one time, this facility treated steel in cyanide plating bath solutions and generated F008, hazardous wastes. This process was discontinued approximately 20 years ago according to Mr. McClarin. The cyanide plating lines were left in place until 1983 when Triangle PWC decided to remove the plating lines. While dismantling the plating lines, it was discovered that the plating tanks contained cyanide sludge.

Triangle PWC obtained a provisional ID Number and had the waste manifested to Cecos International (Attachment "H"). Triangle PWC then had the tanks analyzed by Pittsburgh Testing Laboratory for cyanide. Mr. McClarin stated most tanks had between 1.5 to 2.4 ppm of cyanide but one tank had up to 34 ppm. Mr. McClarin stated that he was not sure how to dispose of the plating tanks (as a hazardous or non-hazardous waste). I informed Mr. McClarin that I would try to determine how Triangle PWC should dispose of these tanks and get back to him with an answer.

The second provisional ID Number was obtained when plant officials discovered two underground storage tanks that had not been utilized for approximately 25 years. One tank was empty. The other tank contained 4500 gallons of waste varnish (see Attachment "I"). The varnish was used approximately 20 years ago to coat the inside diameter of steel pipes (versus the cyanide used to coat the outside diameter). These tanks were discovered in the spring of 1986 and the waste varnish was removed and manifested to Huskill Chemical Corporation shortly thereafter for recycling. The varnish was analyzed by Mahoning Paints of Ohio prior to recycling.

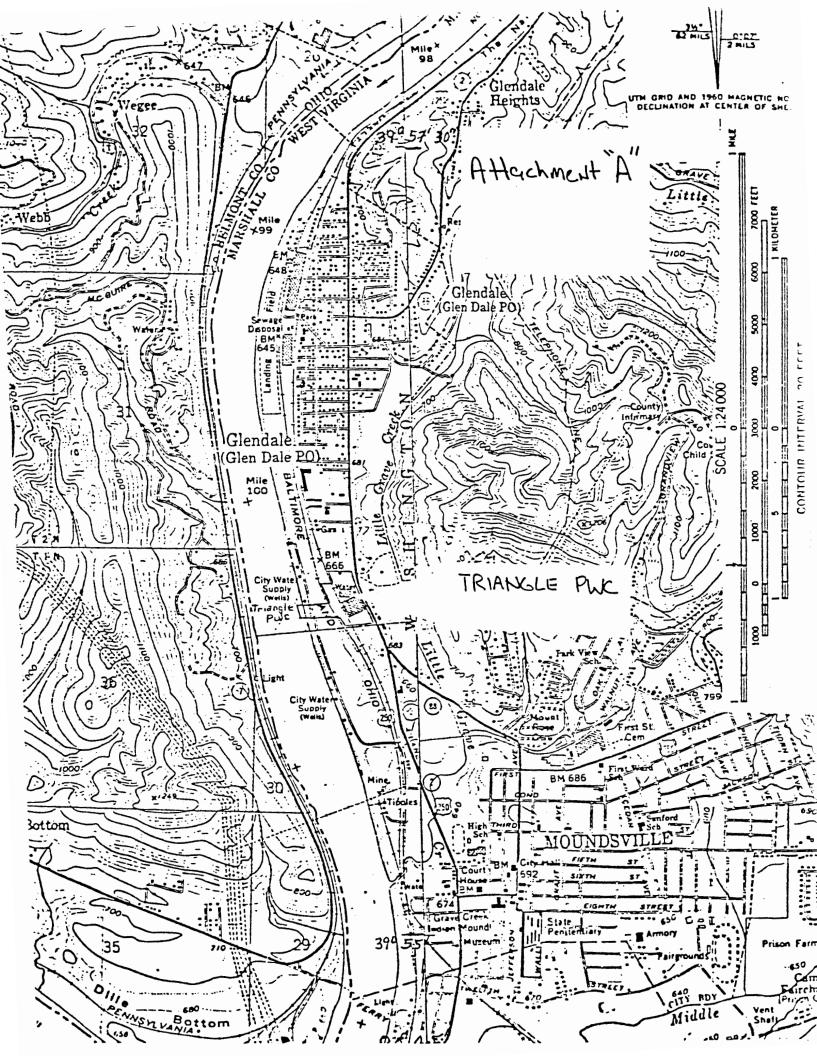
While reviewing manifests, it was noted that the manifest dated November 5, 1983 had no EPA ID Number or EPA waste type listed on it (Attachment "H") and that the manifest dated May 5, 1986 also did not have an EPA waste type listed.

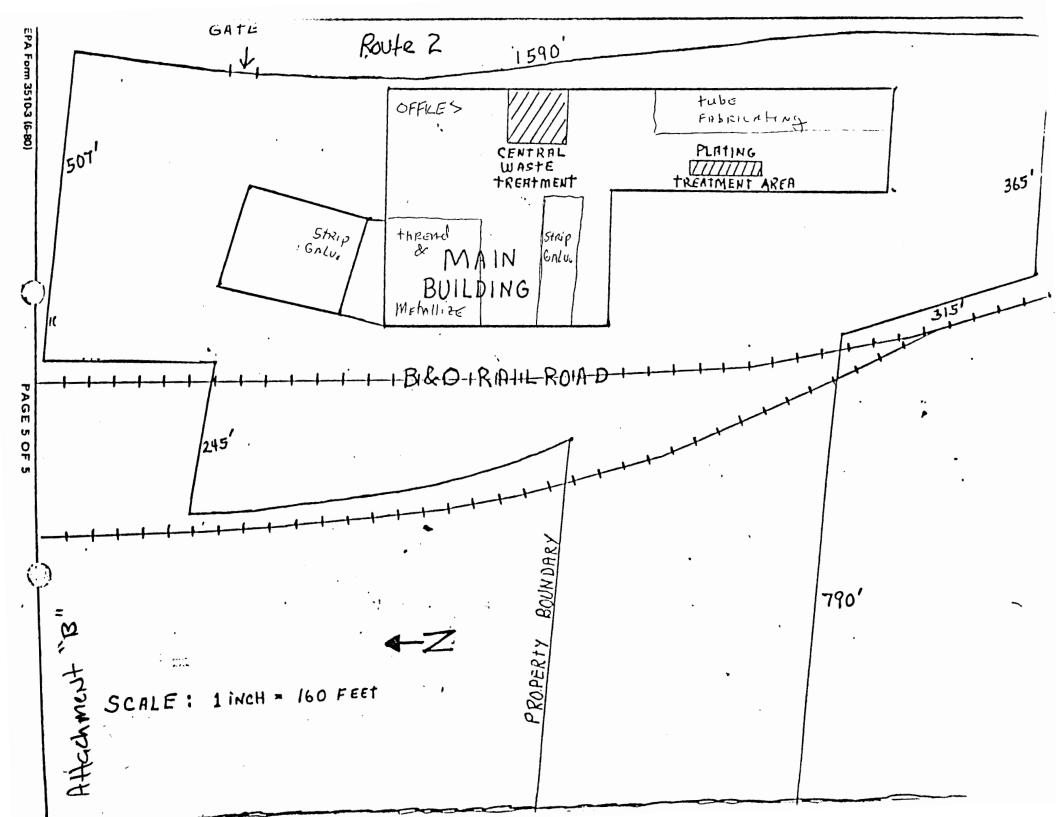
After completing the appropriate checklists, we then proceeded to inspect the facility. After the inspection, I thanked Mr. McClarin for his cooperation and then departed.

CEI (Triangle PWC, Glen Dale Plant, WV, WVD004314928) Page Three March 9, 1987

COMPLIANCE EVALUTION

1) This facility did not complete manifests and is therefore in violation of Section 3.1.4.j.1.iii of the regulations promulgated for the West Virginia Hazardous Waste Management Act.





Small Quantity Generator Checklist Attachment C

	Facility Name: Triangle PWC Inc		
	Facility I.D. No. : WVDUU4314928		
,	Location: Glendale W 26038 Mailing Address, 1701 Wheel	ing Ave.	<u> </u>
	Company Contact: MR. C. MCCKIRIN Title: Technical supervisor		
	Phone No: (304) 845-4020		
	* Note: This checklist evaluates compliance with applicable S	tate	
	and Federal requirements		
		~ >	
senerati	,	(yes	Лb
	2) Does this facility generate hazardous wastes ?	Yes	No
	3) Type(s) of waste hazardous work generated:		
	Ignitable X Corrosive _ Reactive _ EP TONIC _		
	Disted:		
i	4) Quantity of wast generated per month:		
	-0-100 kg0-1 kg acutely foxic		
	-> 1000 kg		
	5) Have this facility ever accumulated greater than	Yes	(Nb)
	1,000 Kg. of hazardous wask in one month?	·	\cup
	NOTE: If hazardous waste generation and for accumulation		
	exceed 1,000 kg. in one month, proceed to checklis	· .	
	for Generators.	-	
	6) Has this facility properly notified the W.V. D.N.R.	of	
	its hazardous waste activity as required?	(yes)	ЛЪ
	1) Have all hazardous wastes been transported by		
	and disposed of off-site by a permitted		
	transporter and TSD facility?	- (yes)	No
	Transporter #1: Name: Scient Kleen Corp.		
	ID NO: WV 1081034701		
	Phone: 304/233 4-567		,
	Transporter #-2: Nome:		
	I.D. No: Phone:		
	renove.		
	75D Facility: Name: Safety Kleen Corp.		
	I.O.NO: W1081034202		
1	Phone: 233-6567		
	Address: Wheeling, WV 26062		

, 1	19.3) Are wastes stored on sit:	
	- > 180 days yes	(10)
	- > 270 days (whon the designated TSD facility	
,	15 growter than 200 miles from the generator) NA yes	No
	8.) If NO, how is the waste treated / disposed of :	
	- on-site permitted disposal	
	- on-site recycling	
	- off-site recycling X	
	- POTW	
·	- uncontrolled sewer/septic system	•
		(N_0)
	wastes?	-
	If so: When:	
-	Destination:	
-		
Transport	fation:	
1 - 1 - 1	· · · · · · · · · · · · · · · · · · ·	
	manifest occurately completed by the generator? Eyes	Nb
	B) Is a signed, return manifest copy on file for each	
	hazardous waste shipment? (4es)) Ль
	14) Are containers holding hazardous waste properly	
	, , , , , , , , , , , , , , , , , , ,) - No
	Comment:	
Containe	is: 15) Are all hazardous waste containers murked with	
2000,000		No
	M) Are all hazardous waste containers dated as	
	to when they began accumulating huzuntus waste? (40)	No
•	m.) Are containers holding huzardous waste managed in	
	such a way so as to prevent leaking, rupturing,	
	corrosion, or other deterioration / failure?	
7	18) Are all detective containers replaced immediately yes	No
-	19.) Are containers kept closed, except when filling yes	Nb

	1		
	,; ·	2) Are all containers inspected weekly for leaks, corrosson, etc. (yes)	
			No
	, I	21.) Are incompatible wostes stored in the same no incompatible was	iste
	·	containers and/or in a manner that might NA	gody.
		cause leaks, fires, or other releases? yes	TO NOT
		properly emptied so as to meet the regulatory NA	311
		definition of empty prior to disposal? Yes	12
		nu containers Orsposed	700
Z	Tanks		
		tanks, managed so as not to cause tank Yes	No
		damage:	
		24.) Is two feet of free board maintained? Yes	No
		25.) If the tank has a continuous inflow of hazardous	
		waste, is there a waste feed out-off and/or	
		by pass system to stop the flow should a	
		leak or other emergency occur? Yes	No
		26.) Are all monitoring and/or quage systems	
		(1e. temp., pressure, esc.) inspected daily ? Yes	ЛЬ
		29) Here all tanks inspected weekly for leaks	
		and for deterioration? Yes	100
		28) Are NFPA buffer zone requirements for tanks containing ignitable and for reactive	
		wastes complied with?	120
		29.) Are wastes contained in tanks:	700
		- removed within - 180 days -or- yes -	16
	٠.	- removed within 270 days for	• .
		generators over 200 miles from the	
		designated TSD facility? Yes	$N_{\mathcal{D}}$
7/	Email		
<i>_</i> L	L MEIGENC	y Procedures:	
		30.) Is appropriate emergency equipment available	
		30.) Is appropriate emergency equipment available at the facility (ie. phone, fire extinguisher, sprinklers, etc.)? 31.) Have accomments been made with local	12
		31.) Have arrangements been made with local	100
	·	fire depts., police deste receve -number	
		hospitals, et. to ensure they can respond to an emergency?	
		to an emergency?	120

	<u>(</u>)
82.) Is there adequak room at the facility to allow (yes)	16
for movement of emergency equipment?	
33.) Does this facility have an emergency coordinator to ensure that all emergency procedures are	
to ensure that all emergency procedures are	4 }-
carried out properly	Nb
34.) Are emergency phone numbers and the	
near the telephone?	No
35.) Have all employees been instructed on	
proper emergency procedures to handle	
hazardoris wask emergencies / incidents yes	No
36.) Has any quantity of hazardous waste	<u> </u>
been involved in a spill, release or yes	(16)
fire?	
19 16 50, were the appropriate response Nayes	No
)	
National Response Center 1-800-424- State Response Center 1-800-642-	
Comment: 1-800-642-	3074
	Je
	· um
Inspector: James R. Fenske	
Date Inspected: March 6, 1987.	
Office Location Wheeling WV	
Agency / Division: WVDNR-DWM	
MACHEY / BIUSTON : IV V DIVIN OVVIII	
Inspector:	-
Date Inspected:	
Office Location:	
Agency Division:	

RESOURCE CONSERVATION AND RECOVERY ACT

CHECKLIST FOR USE AND MANAGMENT OF CONTAINERS

Subpart I, §265.170 "General Operating Requirements" as referenced by Section 8.1.6 for <u>TSD facilities</u> and 6.3.5.a.1 for <u>generators</u> of the West Virginia Administrative Regulations promulgated under Chapter 20, Article 5E of the West Virginia Code.

	Attachment D	
ADDRESS: 1701 LOCATION: Gles EPA GENERATOR I. FACILITY INSPECTION TITLE: Technic	TRIANGLE PWC Inc. Wheeling Ave Adale, WV 26038 D. #: WV DOO4 314928 N REPRESENTATIVE: MR. Charles McClarin Gl Superintendent	
TELEPHONE NUMBER	1: 304/845-4020	
all hazardous	contained in this checklist apply to owners and operators of waste facilities that store containers of hazardous waste, ction 265.1 provides otherwise.	
Pert. Regs. 40 C.F.R. §265.	•	
265.171 1.	Are all containers in good condition, i.e., not showing signs of leakage or corrosion or any other deterioration/deformation? YES N	10
265.172 2.	Are containers lined or made of materials compatible with hazardous wastes placed into them so that the container will not react or corrode with the hazardous wastes? YES	10
265.173(a) 3.	Are all containers holding hazardous waste kept closed during storage?	10
265.174 4.	are stored inspected by the owner/operator	10
265.15(d) 5.	. Is an inspection log maintained?	40

265.176	6.	Are containers holding ignitable or reactive waste located at least 50 ft. from the facility's property line?	YES	NO
265.177(a)	7.	Are incompatible wastes placed in the same container? (see Appendix 5 for examples)	YES	NO
265.177(c)	8.	Are storage containers holding hazardous wastes which are incompatible with nearby materials stored in containers, tanks, piles, or surface impoundments separated by dikes berms, walls, or other devices?	, NA YES	NO
		First Inspector Sec	ond inspector	
INSPECTOR'S	NAME:_	James R. Ferske		
TITLE: W	kiter	Res. Insp		
AGENCY:	WVD	NR-DWM		
OFFICE LOCA	TION:	Wheeling		
INSPECTION D	ATE:	March \$6th, 1987		

MATERIAL SAFETY DATA SHEET SAFETY-KI EEN CORD

SAFETY-KLEEN CORP. 777 Big Timber Rd.

Elgin, IL 60120



Safety-Kleen 105	ed end List) Solvent-MS				. If any item is not ap oe must be marked to	
Section I		t #6617				
Manufacturer's Name			Emergency Telep			
Safety-Kleen Cor			312/697-	-8460 per for Information		
Address (Number, Street, CA 777 Big Timber R			312/697-			
			Date Prepared			
Elgin, Illinois			11/6/85 Signature of Pre	parer (actional)	····	
	Maria Carlos	Compression of the property of the control of the c		,	erania de la composição d	en estatut en en en e
Section II — Hazardo	us ingredients/ide	ntity information	50 · · · · ·		Other Limits	
Hazardous Components (Sp	ecific Chemical Identity;	Common Name(s))	OSHA PEL	ACGIH TLV	Recommended	% (apdar
Mineral Spirits		-	500 ppm	100 ppm	- .	99.9
Dye			Unk.	Unk.	-	0.00
Anti-Static Agen			Unk.	Unk.	100 est.	1 pp
\$0 4 78,0397 = 1-5					*	,
Charles III						
Agentical					1,000	
The second secon						
The state of the s						A CONTRACTOR
The second secon						
The second secon						
The second secon						
The second secon	ul/Chemical Charac					
	al/Chemical Charac	310-	Specific Gravity			0.775-
Section III — Physics Boiling Point		310- 400 ^o F			A CONTRACTOR	0.775-
Section III — Physica Boiling Point Vapor Fressure (mm Hg.)	al/Chemical Charac @ 68°F	310-	Melting Point	(H ₂ O = 1)		0.775-
Section III — Physics Boiling Point		310- 400°F	Melting Point Eveporation Ratio	(H ₂ O = 1)		0.775- 0.795 N/A
Section III — Physica Boiling Point Vapor Fressure (mm Hg.)		310- 400 ^o F	Melting Point	(H ₂ O = 1)		0.775-
Section III — Physica Boiling Point Vapor Pressure (mm Hg.) Vapor Density (AIR = 1) Solubility in Water Neg1:		310- 400°F	Melting Point Eveporation Ratio	(H ₂ O = 1)		0.775- 0.795 N/A
Section III — Physics Boiling Point Vapor Pressure (mm Hg.) Vapor Density (AIR = 1) Solubility in Water Neg1: Appearance and Odor	@ 68°F igible.	310- 400°F 2 4.9	Metting Point Evaporation Rate (Toluene •	(H ₂ O = 1)		0.775- 0.795 N/A
Section III — Physica Boiling Point Vapor Pressure (mm Hg.) Vapor Density (AIR = 1) Solubility in Water Neg1: Appearance and Odor C1:	@ 68 ⁰ F igible. ear green liqui	310- 400°F 2 4.9	Metting Point Evaporation Rate (Toluene •	(H ₂ O = 1)		0.775- 0.795 N/A
Section III — Physical Boiling Point Vapor Pressure (mm Hg.) Vapor Density (AIR = 1) Solubility in Water Neg1: Appearance and Odor C1: Section IV — Fire and	@ 68 ⁰ F igible. ear green liqui	310- 400°F 2 4.9	Metting Point Evaporation Rate (Toluene •	(H ₂ O - 1) 1) ydrocarbon oc	dor.	0.775- 0.795 N/A 0.2
Section III — Physica Boiling Point Vapor Pressure (mm Hg.) Vapor Density (AIR = 1) Solubility in Water Neg1: Appearance and Odor C1:	@ 68 ⁰ F igible. ear green liqui	310- 400°F 2 4.9	Metting Point Evaporation Rate (Toluene •	(H ₂ O - 1) 1) ydrocarbon oc		0.775- 0.795 N/A
Section III — Physics Boiling Point Vapor Pressure (mm Hg.) Vapor Density (AIR = 1) Solubility in Water Neg1: Appearance and Odor C1: Section IV — Fire and Flash Point (Method Used) Extinguishing Media	@ 68°F igible. ear green liqui d Explosion Hazan	310- 400°F 2 4.9	Metting Point Evaporation Rate (Toluene - cteristic h	(H ₂ O = 1) 1) ydrocarbon oc	dor.	0.775- 0.795 N/A 0.2
Section III — Physica Boiling Point Vapor Pressure (mm Hg.) Vapor Density (AIR = 1) Solubility in Water Neg1: Appearance and Odor C1c Section IV — Fire and Flash Point (Method Used) Extinguishing Media C02	@ 68°F igible. ear green liqui d Explosion Hazan 105°F TCC , foam, dry che	310- 400°F 2 4.9	Metting Point Evaporation Rate (Toluene - cteristic h	(H ₂ O = 1) 1) ydrocarbon oc	dor.	0.775- 0.795 N/A 0.2
Section III — Physics Boiling Point Vapor Pressure (mm Hg.) Vapor Density (AIR = 1) Solubility in Water Neg1: Appearance and Odor C1: Section IV — Fire and Flash Point (Method Used) Extinguishing Media	@ 68°F igible. ear green liqui d Explosion Hazan 105°F TCC , foam, dry che	310- 400°F 2 4.9	Metting Point Evaporation Rate (Toluene - cteristic h	(H ₂ O = 1) 1) ydrocarbon oc	dor.	0.775- 0.795 N/A 0.2
Section III — Physica Boiling Point Vapor Pressure (mm Hg.) Vapor Density (AIR = 1) Solubility in Water Neg1: Appearance and Odor C1c Section IV — Fire and Flash Point (Method Used) Extinguishing Media C02	@ 68°F igible. ear green liqui d Explosion Hazan 105°F TCC , foam, dry che	310- 400°F 2 4.9 id with chara	Metting Point Evaporation Rate (Toluene - cteristic h	(H ₂ O = 1) 1) ydrocarbon oc	dor.	0.775- 0.795 N/A 0.2
Section III — Physica Boiling Point Vapor Pressure (mm Hg.) Vapor Density (AIR = 1) Solubility in Water Neg1: Appearance and Odor C1c Section IV — Fire and Flash Point (Method Used) Extinguishing Media C02	@ 68°F igible. ear green liqui d Explosion Hazan 105°F TCC , foam, dry che	310- 400°F 2 4.9 id with chara	Metting Point Evaporation Rate (Toluene - cteristic h	(H ₂ O = 1) 1) ydrocarbon oc	dor.	0.775- 0.795 N/A 0.2

Page 1 (Continued on Reverse Side)

Stability	Unstable		Conditions to Avoid			
	Stable	Х	Heat, sparks, flam	e and fire.		
incompatability (Meterials to Avoid)		<u> </u>			
Hazaroous Deco	imposition or Byprox		g oxidizing agents.			
Normally :	none; howeve		complete burning ma	y yield carbon	monoxide.	
Hezardous Polymerization	May Occur		Conditions to Avoid			
Angles of the second	Will Not Occur	х			· ·	
	- Heelth Hazan					
Route(s) of Entry		n alation ? yes	Signal and the control of the contro	in? O	ingestion? yes	
Heath Hazards Skin - ca	(Acas and Chronic)	ing of	skin. Eyes - sev	ere irritant.	Inhalation - excess	ive
					tion - harmful or f	
swallowed						
	N. O. C.	IP?		AC Monographs?	OSHA Requissed?	and the second
N-+ 1						
	wn or potent	clai c	arcinogen.			
Drying of	skin, eye	irrita	ation, headache, di	zziness, nausea	ı.	
A Company of the Comp						
Medical Condition	one vated by Exposure	- Unl	mown.			
						
THE R. P. LEWIS CO., LANSING MICH.	and the second of the second					
Emergency and	First Aid Procedure	.		• •		
Skin - Wa	sh with soa	p and			. Inhalation - Remo	
Skin - Wa	sh with soa	p and			. Inhalation - Remo	
Skin - Wa air source Section VII	e and call -	p and a phys	sician. Ingestion - le Handling and Use			
Skin - Wa air source Section VII - Steps to Be Tab	e and call Precautions on in Case Materia	p and a phys for Set	sician. Ingestion - le Handling and Use	DO NOT induce		ysician.
Skin - Wa air source Section VII - Steps to Be Tak Catch and	e and call Precautions on in Case Materia	p and a phys for Set	sician. Ingestion - le Handling and Use	DO NOT induce	vomiting. Call a ph	ysician. fire,
Skin - Wa air source Section VII - Steps to Be Tak Catch and	e and call Precautions on in Case Materia collect fo	p and a phys for Set	sician. Ingestion - le Handling and Use	DO NOT induce	vomiting. Call a phexposure to sparks,	ysician. fire,
Skin - Wa air source Section VII - Steps to Be Tak Catch and flame, ho	e and call Precautions on in Case Materia collect foot surfaces. Method	p and a phys for Sat d is Relat r reco	sician. Ingestion - le Handling and Use used or Spiled overy as soon as po	DO NOT induce	vomiting. Call a phexposure to sparks,	ysician. fire,
Skin - Wa air source Section VII - Steps to Be Tak Catch and flame, ho	e and call Precautions on in Case Materia collect foot surfaces. Method	p and a phys for Sat d is Relat r reco	sician. Ingestion - le Handling and Use	DO NOT induce	vomiting. Call a phexposure to sparks,	ysician. fire,
Skin - Wa air source Section VII Steps to Be Tak Catch and flame, ho Waste Disposed Dispose of	e and call Precautions In Case Materia Collect foot surfaces. Method of in accord	p and a phys for Sat is Relative reco	sician. Ingestion - le Handling and Use sed or Spiled overy as soon as po	DO NOT induce	vomiting. Call a phexposure to sparks,	ysician. fire,
Skin - Wa air source Section VII Steps to Be Tak Catch and flame, ho Waste Disposed Dispose of	e and call Procautions on in Case Materia collect fo t surfaces. Method of in accord	p and a phys for Sat is Release r reco	sician. Ingestion - le Handling and Use lsed or Spilled overy as soon as po with company, local	DO NOT induce	vomiting. Call a phexposure to sparks,	ysician.
Skin - Wa air source Section VII Steps to Be Tak Catch and flame, ho Waste Disposed Dispose of Precausions to E Combustil	e and call Precautions in Case Materia collect fo t surfaces. Method of in accord Be Taken in Handling le. Keep a	p and a phys for Sat is Relat r reco ance way fr	sician. Ingestion - le Handling and Use used or Spiled overy as soon as po with company, local oring rom heat, sparks, f	DO NOT induce ssible. Avoid , state and fed	exposure to sparks,	fire,
Skin - Wa air source Section VII Steps to Be Tak Catch and flame, ho Waste Disposed Disposed Combustit long and	e and call Precautions in Case Materia collect fo t surfaces. Method of in accord le Taken in Handling le . Keep a repeated co	a physics for Satis Relative recording and State way from the control of the cont	sician. Ingestion - le Handling and Use lesed or Spiled overy as soon as po with company, local from heat, sparks, f with skin. If clo	DO NOT induce ssible. Avoid , state and fed lame. Use with	exposure to sparks, deral regulations. h adequate ventilatiertently saturated w	fire, on. Avo
Skin - Wa air source Section VII Steps to Be Tak Catch and flame, ho Waste Disposed Disposed Combustit long and	e and call Precautions in Case Materia collect fo t surfaces. Method of in accord le Taken in Handling le . Keep a repeated co	a physics for Satis Relative recording and State way from the control of the cont	sician. Ingestion - le Handling and Use lesed or Spiled overy as soon as po with company, local from heat, sparks, f with skin. If clo	DO NOT induce ssible. Avoid , state and fed lame. Use with	vomiting. Call a phexposure to sparks, deral regulations.	fire, on. Avo
Skin - Wa air source Section VII Steps to Be Tai Catch and flame, ho Flame, ho Dispose Dispose Combustit Long and Other Precaution DO NOT Sk	e and call Procautions in Case Materia collect fo t surfaces. Method of in accord le Taken in Handlin cle. Keep a repeated co	p and a phys for Sat is Release r reco ance r way fr ntact way fr	sician. Ingestion - le Handling and Use lesed or Spiled overy as soon as po with company, local from heat, sparks, f with skin. If clo	DO NOT induce ssible. Avoid , state and fed lame. Use with	exposure to sparks, deral regulations. h adequate ventilatiertently saturated w	fire, on. Avo
Skin - Wa air source Section VIII Steps to Be Tak Catch and flame, he flame, he Precautions to E Combustit long and Other Precaution DO NOT SM	e and call Precautions in Case Materia collect fo t surfaces. Method of in accord repeated co 10KE- keep a	a physics and six Relative ance way from the contract way from the	sician. Ingestion — le Handling and Use seed or Spiled overy as soon as po with company, local comp com heat, sparks, f with skin. If clo	DO NOT induce ssible. Avoid , state and fed lame. Use with thes are inadvented.	exposure to sparks, deral regulations. h adequate ventilati ertently saturated w f reach of children.	fire, on. Avo
Skin - Wa air source Section VIII Steps to Be Tak Catch and flame, ho flame, ho Weste Disposed Dispose of Combustit long and Other Precaution DO NOT Sh	e and call Precautions in Case Materia collect fo t surfaces. Method of in accord repeated co 10KE- keep a	a physics and six Relative ance way from the contract way from the	sician. Ingestion — le Handling and Use seed or Spiled overy as soon as po with company, local comp com heat, sparks, f with skin. If clo	DO NOT induce ssible. Avoid , state and fed lame. Use with thes are inadvented.	exposure to sparks, deral regulations. h adequate ventilati ertently saturated w f reach of children.	fire, on. Avo
Skin - Wa air source Section VIII Steps to Be Tak Catch and flame, ho flame, ho Weste Disposed Dispose of Combustit long and Other Precaution DO NOT Sh	e and call Procautions in Case Materia collect fo t surfaces. Method of in accord repeated co 10KE- keep a Control Mes coon (Specify Type ained breat	a physics for Satis Releaser recommendation of the same of the sam	with company, local or heat, sparks, for with skin. If cloron ignition source	DO NOT induce ssible. Avoid , state and fed lame. Use with thes are inadvented in the state of the state in t	exposure to sparks, deral regulations. h adequate ventilati ertently saturated w f reach of children.	fire, on. Avo
Skin - Wa air source Section VII Steps to Be Tak Catch and flame, ho flame, ho Waste Disposed Dispose of Combustit long and Other Precaution DO NOT Sh Section VIII Respiratory Prot Self-cont	e and call Procautions e and call Procautions on in Case Materia collect fo t surfaces. Method of in accord repeated co Method Taken in Handlin collect fo Method f in accord Method Taken in Handlin collect fo Method f in accord Method Taken in Handlin Local Exhaust Normal roo Mechanical General Methods Method	a physical street of the stree	with company, local or heat, sparks, for with skin. If cloron ignition source	ntrations abov	exposure to sparks, deral regulations. h adequate ventilati ertently saturated w f reach of children. e TLV limits.	fire, on. Avo
Skin - Wa air source Section VII Steps to Be Tai Catch and flame, ho Flame, ho Waste Disposed Dispose of Combustit long and Other Precaution DO NOT Sk Section VIII Respiratory Prot Self-cont	e and call Procautions in Case Materia collect fo t surfaces. Method of in accord le. Keep a repeated co MCKE- keep a Control Method ained breat Local Exhaust Normal roo Mechanical (General None.	a physics for Satisfic Satisfi	with company, local or set skin. If clored in a sparks, from heat, sparks, from ignition source apparatus for conceptilation.	DO NOT induce ssible. Avoid , state and fed lame. Use with thes are inadve s. Keep out of	exposure to sparks, deral regulations. h adequate ventilati ertently saturated w f reach of children. e TLV limits.	fire,
Skin - Wa air source Section VII Steps to Be Tai Catch and flame, ho flame, ho Precautions to E Combustit long and Other Precaution DO NOT Sk Section VIII Respiratory Prot Self-cont Ventilation	e and call Procautions in Case Materia collect fo t surfaces. Method of in accord le. Keep a repeated co MCKE- keep a Control Method ained breat Local Exhaust Normal roo Mechanical (General None.	a physics for Satis Relative recording and Si way from the control of proper glover gl	with company, local or som heat, sparks, f with skin. If clorom ignition source apparatus for conceptilation.	ntrations abov	exposure to sparks, deral regulations. h adequate ventilati ertently saturated w f reach of children. e TLV limits.	fire,

Attachment "F"

ease print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved. OMB No. 2050-0028. Expires 9-30-88. GSA No. 0246-EPA-0T

Sept.	£ 5.	-			-	Maj.		Uni	ted S	tates W	Envi /ashi	ronm	nenta n, DC	Prot 204	ectio	n Ag	ency	1,528		e Table		Filir	ng Not	ifica	tion t	before	e com	ons for
\$	F	P	Δ		Nο	irif itif	ica	tic	n (of	Ha	กร้อง เรล	rde)) (10.00	-	A		·tiv	vity	,	her	B iS I	requ	ired	by la	aw /S	Section Proston
For O																		· · · ·			. 10		Reco					
2 SQS	CIS.					10.00	, r.		340	- ::::	٠.,		Mari	Com	ment	S (75)	P. C.				المراث		75 TO	1		المراجعة المراجعة	Ser.	Towns.
C C																												
							35		Numi			er 10 a	44			in and				ate R						بندرت.	Ho.	i de se je d kaja se
С	T	Ť		<u>: in</u>	stalla	ation	SEP	A ID	Numi	oer	لعامه الأ	7,40,479	T/A	С		pprov	vea	H	<i>n</i> .	<i></i>	1		(Ye			*****		
F		لِـــ												. 1										(1947)	() (A	i wang m		
I. Nar	ne 	ot	Ins	alla	tion																							
T	₹	I	A	N	G	L	Ε		P	W	С		Ι	N	C	•												
II. Ins								-	K-SECTO	ئىلىنىدۇرۇر يېزى	an about the	earnail	See.			Par	- Continues	. central	Alexa 3	evirini menti.							* * *	
٩	1	1		.,,	* ***** , ;**c	-,-1-:1	ন্ স্বভুক		1	27. 042	ag vyje	33-4-5	Str	et o	P.U	BOX		= 1,000		200			T		Ť		Ť	<u>- </u>
3 1	<u> </u>	7	0	1	25000	W	H	E	Ε	Ţ	I	N	G	** (0 //*	A	V	E	3. 378	820 are	*: Table 1	ST-00 T-00		21					
<u> </u>		نزيونة -				£3, e 20			∴ 500	Cit	y or 1	own		<u> </u>	April S				225.7	(SECON)	1	٠	Sta	ate			P Coc	de
	3	L	Е	N	D	A	L	E						·									W	V	2	6	0	3 8
III. Lo	ca	tio	<u>1 01</u>	Ins				resident	ie jeknik			S	treet	or Re	nute	Num	her -	· version	nije al		the Control	****	ناه هامات		. :		ا نعم (دفت	Court Sty
4	T	_	_							_																		
5	1	7	0	1	677.50	W	H	E	E	L	1	N	G	7-2: 10 ⁻¹ - 2	A	V	E	•	الإنا ياحث	15 × 10	in all s	2.75	50	_	2.2.4		ID Co	de
С	. T		,		,					CIE	y or	OWII		C. I S. Car		2.25.60	30.			7.4-0			30	ate	-1	7 21	P Co	10
.0.1	<u> </u>	L	E	N	D	Α	L	E	€. ± 5.		.												W	V	2	6	0	3 8
IV. In										•						de Marie est	Miles	ring ye	**=10	Service.	Pho	ne Ni	ımhei	lare	28 000	de en	d nu	mber) 🌃
C	M.	С	С	r	A	R	I	N	1.0	C	H	A	R	L	E	s				3	0	4	8	4	5	4	0	2-0
V. Ov				<u>;</u> ; ?	1.22	4. j. j.		. ::									- 1		٠٠,									
٦,	r l	R	T	Δ	N	G	A.I	Name E	of Ir	stall	ation W	's Le	gal O	wne	N	С				es mil	معتدون	<u> </u>	. Туре	of C)wne	rship	(ente	er code)
VI. T	vne		Re	gula			-		ivity		<u> </u>	Y' ir	the				e bo	Yes	Ref	er to	ins	truc	tion	2 1				
									Acti						1			<u> </u>	·				el Act		8\$		C text.	
县 i	a. G	ene	rato					1ь.	Less	than	1,00)O kg	/mo.	7. V	□	6. 0	Off-S	pecifi	catio	n Ús	od Oi	Fue					2	
			orte				7.5	d. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		•		7.4	ekan D		1			Ge	neral	tor M	pproj erket	ina t	boxe Burr	15 DE 14.	,		12	
4	. Un	der	grou	nd In	jectio	วก	-200	-	2	ā.		72.5	ine History			-		b. Oth	er M	larke	er		Burr	4				ALC: N
□ 5	. Ma	arke n <i>ter</i>	t or l	Burn <i>nd m</i>	Haza	rdou	s Wa	ste F	uel es be	lowi	. ∠ ∵	- 1. - 1.			- 13 T	61 40A	□,	c. Bur	ner		1000 CA		ism.	عدنة		4250	City	and the same
	[□a	. Ge	nerat	or M	arket	ina t	o Bui	ner		ا ماند. ا				L	7. 5	Speci	fication	on U	sed O	il Fu	el Ma	rkete	r (or	On s	ite Bu	urner	
4.9%	י ָנ]	_	. Oth . Bu		larke	ter											VIIIO I	rirst (s the					4.4
VII. V	Vas	ste	Fue	l Bu	rnir	1g: 1	Гуре	of (Com	bus	tion	ı De	vice	(ent	er 'X'	in al	l appi	roprie	te be	oxest	o indi	icate	type o	of cor	nbus	tion c	 lavici	e(s) in
VII. Waste Fuel Burning: Type of Combustion Device (enter 'X' in all appropriate boxes to indicate type of combustion device(s) in which hazardous waste fuel or off-specification used oil fuel is burned. See instructions for definitions of combustion devices.) A. Utility Boiler B. Industrial Boiler C. Industrial Furnace																												
	☐ A. Utility Boiler ☐ B. Industrial Boiler ☐ C. Industrial Furnace ☐ VIII. Mode of Transportation (transporters only — enter 'X' in the appropriate box(es)																											
				B. Ra	٠, ٠	_	C. Hig				-	30 3000											£-,63	, (}	÷ **	声声话	-	
IX. F	irst	or	Su	bsec	quei	nt N	otif	icat	ion										÷									
Mark notific	'X' i atio	in th ก. lf	ne ap	prop	riate ot you	box ir firs	to in	dicat ificat	e who	ether	this	is yo	our in	nstall on's F	ation	's fir	st no	tifica	tion e so:	of ha	zardo	ous v	vaste	activ	vity o	ras	ubse	quent
		4 4.				4	- s	A		2009 2009	1	e ()							·				tion's	EPA	IDN	lumb	er	
Æ ₹	Fi	rst l	Notifi	catio	n	□ E	3. Sul	osequ	l tneu	Votifi	catio	n (co	mple	te ite	m C)	araliji,	¥).			Π					-			
	_						,											1	<u> </u>	!	!	!				!!!		

												L	, 1134 in	راد بهده چه ر. حربه ر.	. 3	- טו	<u>~ FOF</u>	Omi	CIAI L	30 C	nty		· · · · · · · · · · · · · · · · · · ·	
`												V	-1											/A
Descri	otio	n of	Haz	ard	ous	Wa	stes	(co	ntinue	ed fre	om fr	ont)		J			1.00							
azardo om nor	us Wa	stes	from	Nor	spec	ific S	Sour	ces.	Enter t	ne fou	r-digit	num								sted	haza	ırdous	waste	. <u></u>
14.7	1					2		П				1		. 4					5				6	
F	0 0	2														·-								
1,20	7		1			8				9.	944	1		10	1,175			. 1	1				12	_
			-								ļ	1								ļ				
Hazardous Wastes from Specific Sources. Enter the four-digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific sources your installation handles. Use additional sheets if necessary.																								
	13				¥83.1.	14				15		I	v.	16				<u>- 1</u>	7.				. 18	
								- 63 - 63				100				190								
	19			a (Marian) Transport		20				21:	强 达		- (Jacob)	22	1.0		100	2	3				24	_
			1.5					÷								**	·							
seed at	25	-]	24 · · ·		26	1		1525	27	. خوسد] ,		28	., (2) ₀ ~		100	2	29				30	_
		1	7:	12								2				e augu					ier.		1	
t de	37			(A)		38	of of the or		Time	39				40			:: 1	20 T	11			2.3.	- 42 ··	2 5 - 7
	Ť		3					1														\top	T	T
्रहरू इ.स.च्य	43	-		30 2 5	\$ Z	44	1,57			45			127	* 46	TOTAL TE	1	01. ; ≻14. 21,511	୍ଟ୍ରେ	17				48	· ; .
			1:								-	1				5				·	·-		:	.
isted Ir																							rinary h	ios
	49				3,-4.	50	, .	Γ	11.1 %	51	S. 1824	Ţ		52 *	hi-		-30	- E	3 7	1-25	·	- 73	54	_
No.				1		94	11/2	17.00	No.		\$		2.3		135		100		***	Fr.			F	
haracte our inst			ndles	. (Se	e 40	CFR	Parts	261	.21 —	261.2	4)		W WAR	A Marie				-	a			hazard	lous wa	ste
1,2	□ 1	Ignit (DOO	avie	7-3-5	Hermin	-91	3.2		2. Cori	osive	The second second				3. Re (D0	active 103)				-	\$		Toxic 000)	
Certi	ficat	on	1	. F	$\gamma_{j} \sim$				·:.							٠,٠			• 5					
l certi this a obtair there	nd al ning t	l att he ii	ache nfort	ed d mati	locur ion. l	men I bel	its, a lieve	and : tha	that b t the s	aseo ubm	l on r itted	ny ii info	nquir _. rmati	y of th	iose i true.	indi: acce	ridua urate	als ii e. an	mme d co	edia: mpl	tely ete.	resp lam	onsibl aware	e f
nature		1					^							le (type					, 5, ,	_		Signed		
Ma	n	6			2 (V	Di	مرار (Char	les	McC	Clar	in, I	l'ech	. S	upei	rvis	sor		9/	17/8	6	

EPA Form 8700-12 (Rev. 11-85) Reverse

Attachment "G"

Triangle & PWC, Inc.

NEW BRUNSWICK, NEW JERSEY 08903

December 12, 1980

STEEL CONDUIT DIVISION 1701 WHEELING AVENUE GLEN DALE, W. VA. 25038 TELEPHONE: 848-4020

Douglas Costle
Office of Solid Waste
United States Environmental Protection Agency
401 M. Street South West
Washington, D.C. 20460

The purpose of this petition is to obtain an amendment to the Resource Conservation and Recovery Act as permitted under Subpart C section 260.22, as pertains to the exclusion of a solid waste generated at a particular facility, namely, Triangle PWC, Inc. 1701 Wheeling Ave., Glen Dale, W.Va. 26038. It is Triangle PWC's intent to prove that the waste generated at the Glen Dale plant is not hazardous and as a result should not be listed as such. The present listing of the waste as hazardous has imposed a severe economic hardship on the Glen Dale Plant because the waste must now be disposed of in an approved hazardous waste landfill. Since there are no approved hazardous waste landfills in West Virginia, Triangle must dispose of the waste out of state, which has increased Triangle's disposal cost from \$8.25 per ton to \$25.00 per ton. The delisting of the waste in question would allow us to use a state approved Industrial Waste Landfill.

The solid waste in question is listed as "Sludge from Lime Treatment of Spent Pickle Liquor from Steel Finishing Operations" (261.32 Hazardous Waste No. K063). The delisting of this particular waste is addressed in the Federal Register Volume 45, No. 220, page 74888, dated November 12, 1980. A copy of that page is attached to this petition. A direct quote from that page of the Federal Register follows:

"The delisting provision (260.22) requires petitioners to consider a range of factors in showing why a waste does not meet the criteria for listing contained in 261.11 (a) (3). Since our chief concern with these lime treatment sludges is whether they will leach significant concentrations of lead and chromium we will consider delisting petitions for these wastes to be adequate if petitioners show that concentrations of lead and chromium in EP waste extracts are significantly less than the maximum concentration levels for lead and chromium contained in 261.24 without requiring consideration of the other delisting factors."

With this statement in mind Triangle PWC is prepared to show that Leachate Tests on five samples of sludge showed very low concentrations of lead and chromium in EP waste extracts. The results of the Leachate Tests on the five samples are attached.

In addition Triangle PWC would like to answer the 12 questions under 260.22 item (2) in the delisting procedure.

- (1) ERC/Lancy
 Division of Dart Environment and Services Co.
 525 West New Castle Street
 Zelienople, Penna. 16063
- (2) Testing and Sampling:
 John Ritzert
 Manager Analytical Services
 ERC/Lancy
 Note: Attached document on the Laboratory performing
 the analysis and associated sampling.

Sampling:
Charles McClarin
Technical Superintendent
Triangle PWC, Inc.
1701 Wheeling Ave
Glen Dale, W.Va. 26038
Master of Science Degree in Physical Chemistry
Kent State University 1967

- (3) Dates of sampling and testing are listed on attached document from ERC/Lancy
- (4) Triangle PWC, Inc. 1701 Wheeling Ave. Glen Dale, W.Va. 26038
- (5) Two manufacturing processes are involved in the production of the sludge in question. Approximately 99% of the sludge is generated when dilute sulfuric acid pickle liquors are neutralized with lime. The sulfuric acid (12% by wt.) is used to pickle mild steel pipe used in the manufacture of Rigid Conduit. When the iron level in the acid reaches about 7% by wt., the acid is pumped to our waste treatment area and neutralized with lime. The exact procedure that is currently being used to treat waste pickle acid is attached to this petition (item M pages 25 & 26).

The remaining 1% of the sludge resulting from the lime treatment is attached to chromium wastes coming from our integrated chromium treatment system used on our zinc plater. The exact procedure used in our integrated chromium treatment system is also attached to this petition (item K, pages 21, 22 & 23).

Since the sulfuric acid is used only to pickle mild steel pipe, which contains minute quantities of chromium and lead, the waste resulting from this process would contain only minute quantities of chromium and lead.

Any chromium introduced into the acid from the integrated chromium

treatment system should also be in the trivalent form. However two backup treatments are used so that no hexavalent chromium can find its way into the lime treated sludge. The first backup is that any hexavalent chromium that would be pumped into the discarded pickle solution would be reduced by the ferrous iron in the pickle acid. The second backup is that each batch is checked for hexavalent chromium using a spot test (WCR-ST). A copy of the spot test procedure is attached. If any hexavalent chromium is detected in the spent pickle acid, the acid is treated with sodium bisulfite until all the chromium is reduced as determined by analysis.

- (6) The waste produced from the lime treatment is a brown solid containing varying amounts of water. See Attached Photograph. The maximum amount produced per month is 1,500,000 pounds. The average amount produced per month is 1,050,000 pounds the maximum annual quanity of sludge produced would be 17,000,000 pounds. The average amount of sludge produced annually would be 11,550,000 pounds.
- (7) Section 261.11 (a) (3) is the subject of the November 12 ruling which I quoted on page 2 of this petition.
- (8) Five samples of sludge were collected in the following manner: The "North Sludge" sample was collected from a sludge pond that had been recieving all of our lime treated sludge from 6/5/80 to 10/6/80. A representative sample of the North Sludge pond was obtained by collecting samples from different sections and depths of the pond. These samples were collected in glass beakers, composited and dated. They were then placed into a plastic water tight container and shipped to lancy labs for analysis. This composited sample was labeled North Sludge.

The remaining four samples were collected over a four day period from 10/14/80 to 10/17/80. These samples were collected from our Duro Quadra Press filters (model # QP-1200/50-43). A specification sheet and a bulletin on the presses is attached to this petition. Representative samples were obtained by collecting samples of sludge from each press after the sludge had been dewatered and dropped into a 4yd3 hopper. Samples were obtained in a glass beaker from different sections of each hopper. Each days samples were composited and dated. The composited samples were representative of 560 ft of sludge that was processed each day. The composited samples were shipped to ERC/Lancy in plastic water tight containers.

- (9) After the five samples were collected according to the procedure outlined in item (8), all future handling was in accordance with procedures published in 40CFR 136 on with modified procedures approved by EPA per page 5 of the ERC/Lancy report.
- (10) EP toxicity tests were run on the five samples of sludge submitted according to 40CFR 261.24 Appendix II. This is also per page 5 of the ERC/Lancy Lab report.
 - (11) The following instruments were used in performing the tests.
 - a. Atomic Absorption Spectrophotometer Instrumentation Labs Model 257
 - b. Graphite Furnace Model 555 GTF
 - c. Corning PH Meter Model 12

(12) I certify under penalty of law that I have personally examined and am familiar with the information submitted in this demonstration and all attached documents, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Charles Mc Clarin

Charles McClarin
Technical Superintendent
Triangle PWC, Inc.
1701 Wheeling Avenue
Glen Dale, West Virginia
26038

ERC/LANCY

Triangle PWC, Inc.

New Brunswick, New Jersey 08903

Page -2-

North	Sludge	Dated	10/20/80	Received 10/23/80
]	Parameter	<u>s</u> 1	Ludge (mg/Kg)	EP Toxicity (mg/L)
	pH (SU)	· · · · · · · · · · · · · · · · · · ·		4.8
	Arsenic		0.53	<0.01
]	Barium		89.7	1.9
(Cadmium		<5.0	0.02
	Chromium		31.7	<0.01
(Copper		26.4	0.21
	Iron	. 27	7900	387.0
1	Lead		13.7	0.02
]	Mercury	• -	0.0060	<0.0005
1	Nickel		10.6	0.43
	Selenium		<5.0	<0.01
	Silver		<5.0	<0.01
	Zinc		4400	368.0
	Solide		30 5 %	5506

ERC/LANCY

Triangle PWC, Inc.
New Brunswick, New Jersey 08903
Page -3-

10/14 Sludge	Received 10/23	3/80_
Parameter	Sludge (mg/Kg)	EP Toxicity (mg/L)
pH (SU)	an en en	5.0
Arsenic	0.50	<0.01
Barium	20 9.0	1.1
Cadmium	5.0	0.03
Chromium	94.7	0.02
Copper	44.9	0.02
· Iron	44900	8.8
Lead	34.9	0.02
Mercury	0.0051	<0.0005
Nickel	15.0	0.35
Selenium	<5.0	<0.01
Silver	<5.0	<0.01
Zinc	12900	24.8
Solids	35.6 %	4408

10/	15	Sludge

Parameter	Sludge (mg/Kg)	EP Toxicity (mg/L)
pH (SU)	w = **	5.1
Arsenic	1.07	<0.01
Barium	160.0	1.9
Cadmium	<5.0	0.13
Chromium	150.0	0.02
Copper	53.5	0. 09
Iron	36400	<0.01
Lead	33.1	0.02
Mercury	0.0099	<0.0005
Nickel	16.0	0.31
Selenium	<5.0	<0.01
Silver	<5.0	0.01
Zinc	23400	283.0
Solids	45.4 %	5102

ERC/LANCY

Triangle PWC, Inc.
New Brunswick, New Jersey 08903
Page -4-

10 /16 Sludge	Received	10/23/30
Parameter	Sludge (mg/Kg)	EP Toxicity (mg/L)
pH (SU)		4.85
Arsenic	<0.5	<0.01 .
. Barium	152.0	1.6
Cadmium	<5.0	0.02
Chromium	117.0	0.04
Copper	44.1	0.01
· Iron	37200	22.9
Lead	31.3	0.02
Mercury	0.0112	<0.0005
Nickel	14.7	0.36
Selenium	<0.5	<0.01
Silver	<5.0	0.01
Zinc	10300	182.0
Solids	36.2 %	3900

10/17 Sludge

Parameter	Sludge (mg/Kg)	EP Toxicity (mg/L)
pH (SU)		5.15
Arsenic	1.19	<0.01
Barium	233.0	2.5
Cadmium	<5.0	0.09
Chromium	167.0	0.04
Copper	35.9	0.04
Iron	56800	<0.01
Lead	41.8	0.03
Mercury	0.0 099	<0.0005
Nickel	23.9	0.29
Selenium	<0.5	<0.01
Sivler	71.7	0.02
Zinc	15800	310.0
Solids .	53.6 %	5164

Triangle PWC, Inc.

New Brunswick, New Jersey 08903

Attn: Mr. Paul Sidhu

Page -5-

Test procedures used were those approved by the United States Environmental Protection Agency as published in 40 CFR 136 or with modified procedures approved by EPA.

The EP Toxicity test was performed according to 40 CFR 261.24, Appendix II.

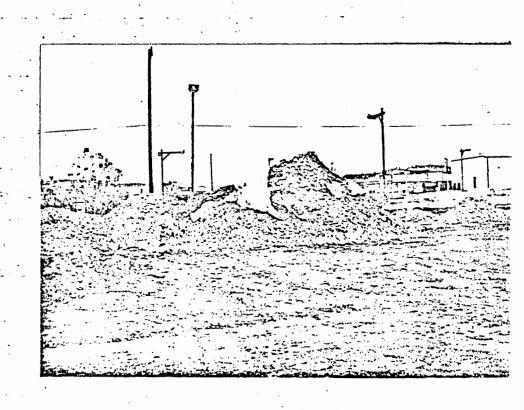
ERC/Lancy

Division of Dart Environment and Services Company

C. John Ritzert

Manager-Analytical Services

CJR: pab



Triangle Conduit & Cable Co.

Glen Dale, W. Ya.

M. WASTE PICKLE ACID TREATMENT

Location: Batch Treatment Area

INTRODUCTION

In general, metal hydroxide precipitates which are formed in dilute solution are far more hydrated and voluminous than those formed in treating a concentrated solution of the metal. These dilute sludges are also much more difficult to thicken and de-water. For this reason, a separate collection tank, Waste Acid Storage Tank, TA-7, and treatment tank(TA-5 and TA-6) are provided for the discarded concentrated acid solutions.

OPERATION

All spent acid pickle solution and chromate solutions will be transferred to the waste acid storage tank; a special piping connection system with a portable pump has been provided to accomplish this. The waste acid storage tank is equipped with a level gage and high-level alarm to warm the operator when it is full. Dumping of the solution in plant will have to be done on a schedule so that they are staggered and no solution should be pumped out until the operator has been consulted regarding space for the solution. It is estimated that three or four batches will have to be treated in the batch neutralization tanks each day.

In order to produce a dense, filterable sludge, the waste acid solutions must be neutralized hot. For this reason, the waste acid storage tank is insulated and equipped with a steam coil and temperature controller.. The controller should be set so as to maintain about $150^{\circ} - 160^{\circ}$ F. Since the pickle solution is dumped hot and the tank is well insulated, very little steam will be needed to maintain this temperature. Once neutralization is started, the heat generated by the chemical reactions will maintain the temperature in the batch neutralization tanks. Since the turbine agitator in the batch neutralization tanks are made of stainless steel, it should not be left innersed in waste acid for long periods of time. Therefore, acid should be transferred to the batch neutralization tanks only when it is to be neutralized within two hours. Since the acid must be kept hot, this would be normal procedure in anywevent.

Acid Batches

The ferrous iron in the discarded pickle solution should always be in excess and thus keep all hexavalent chromium in the acid collection tank reduced. However, provision has been made to reduce the chromium in the batch neutralization tanks if the iron would be insufficient. For this reason, each

Lancy Laboratories

Triangle Conduit & Cable Co.

Glon Dale, W. Ya.

Integrated Chromium Treatment System (continued)

. Check for the hydrazine-concentration twice daily by the use of Test Procedure WNH-ST. The pH should be checked by using Narrow Range pH papers or a laboratory pH meter at least once per day.

After several weeks of operation, an additional aid to the proper control of the treatment solution will be its color which should be a bluish-white without any yellow coloration.

Once per week the pH electrode should be removed from the reservoir tank, cleaned, and immersed in standard buffer solutions as a check on the electrode system and the pH control instrument. At this time any required calibration adjustments may be made to the instrument according to the manufacturer's instructions.

(a) Effluent Rinse Water

Check forhexavalent chromium in the effluent from the rinse tank immediately following the treatment wash tank once each day using the spot test described in test Procedure WCR-ST, appended.

3. Dumping

To control the accumulation of dissolved salts in the treatment solution and to accomplish the removal of sludges from the reservoir tank, sludgy treatment solution should be drawn from the bottom of the reservoir tank once per week and pumped to the sludge holding and decant tank. A guide to the amount which should be dumped is that about 40-50 gallons of treatment solution should be removed for each gallon of 85% hydrazine hydrate which is added. After drawing off the desired amount of sludge, the reservoir should be refilled with water and replenished with an appropriate addition of stock solution from the chemical mixing tank.

the state of the second second second second second

Lancy Laboratories

TEST PROCEDURE SERIES

TEST: CHROMIC ACID SPOT TEST TEST PROCEDURE WCR-ST

SPECIFICATIONS:

REAGENTS:

- 1. 1% Diphenylcarbaize Indicator (Dissolve contents (0.25 g.) of one ampoule of Diphenylcarbazide in 25 ml C.P. Acetone).
- 2. Acetic Acid Buffer: 6 g. Sodium Acetate, 30 ml Glacial Acetic Acid and 75 ml water.

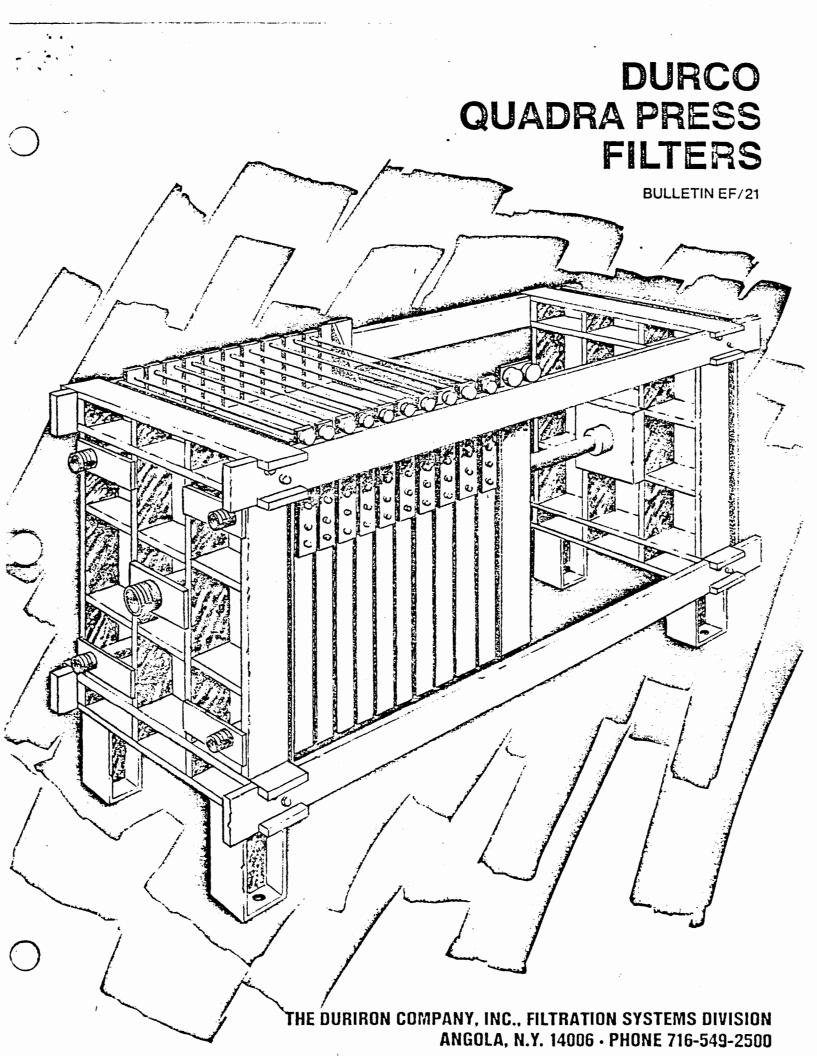
PROCEDURE:

- 1. Place two drops of sample and two drops of distilled water to serve as a blank in cavities of a clean white spot plate.
- 2. To each cavity, add one drop of diphenylcarbazide indicator and stir with a clean stirring rod. The sample spot will turn orange-red if the solution being tested is alkaline. The blank spot will be colorless or slightly yellow.
- 3. To each cavity, add one drop of acetic acid buffer solution and again stir with the stirring rod. After one minute, the sample spot will become faint pink to violet if hexavalent chromium is present, while the blank spot will remain unchanged. If less than 0.25 ppm hexavalent chromium are present, the sample spot will be colorless or slightly yellow.

m= -711.

QUADRA PRESS'FILTER MANUAL

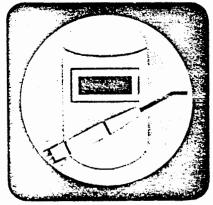
FILTER SPECIF	ICATION SHEET
SHOP ORDER NUMBER	E-25741
MODEL	QP-1200/50-43
ASSEMBLY DRAWING and FILTER PRESS OVERALL DIMENSIONS	J-27 983-A2
NET FILTER VOLUME	80 cubic feet
NET FILTER AREA	.1081 square feet
NUMBER OF CHAMBERS	.43
NUMBER OF PLATES	45 本
PLATE MATERIAL	RAL 7032 Polypropylene
CAKE THICKNESS	50mm
MAX. RECOMMENDED PRESSURE	100 psig
MAX. RECOMMENDED TEMPERATURE	90°c.
GASKET MATERIAL "O" RINGS	EPDM
GASKET MATERIAL PLATES	None
CONNECTIONS	NPT
TYPE FILTER ELEMENTS	Recessed Champerplates
RECOMMENDED MAX. HYD. PRESSURE	4000 psig
PNEUMATIC BOOSTER PUMP RATIO	100:1 Hyd. to Air
ELECTRIC HYDRAULIC PUMP MOTOR	230/460V, 3 Ph., 60 Cy., 2 HP
PNEUMATIC BOOSTER PUMP MODEL	PW-B100-C
CONTROL PANEL	NEMA 4
PLATE TRANSPORT	Semi-Auto
CLOSURE RAM	Sheffer

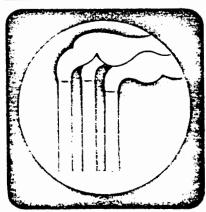


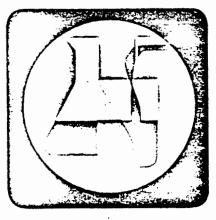
QUALITY CONTROL DOCUMENT

ERC/LANCY









ENVIRONMENTAL SYSTEMS & SERVICES



Attachment "H

92143

Uniform State HAZARDOUS WASTE MANIFEST

Work Order No. ATTH Bu PAINTER

٠.	PART A:								V	Nas	ste M	Manii	est N	10. <u>SS 9</u>	97	00	21_	
	NAME		SITE ADDR	RESS		T		PH	IONE NO					EPA I.D	NO.			
	GENERATOR TRIANGLE PWC	1	WARGING A		1.30		20	,,	-0.11-	/a 3		SMAN	Qu	autity (HEM	P+		
	TRANSPORTER NO. 1 GENCEAL MULT: PLGX	P.O. B	ale West V ox 8706 V ohio 44	•	<u>X</u> CD				<u>-845 - 4</u> 193 - 93			 H_C		015181	3181	(D)	 572	N 87
	TRANSPORTER NO. 2 (IF ANY)		.:									.1	1 1	[ا	
	TREATMENT STORAGE OR DISPOSAL FACILITY CECOS INTERNATIONAL, INC.	1.	ABGR RP	45176		ļ	513	• 7.	24-6114	ť	() ₁ (+	الماد	18171	413	3 1	714	114
	us The state of the state of th		TWO TRANSPORTERS ARE DOUT OF A	•							ı	I	П					
	PROPER U.S. DOT		≟ U.S. DOT HAZARD CLASS	UN NUMBER	SOLID	FO dinori	RM Sy9	SLUDGE	QUANTITY	GALLONS	CU. YDS.	POUNDS ST	CON NO.	TAINERS	EPA HAZ. CODE	WA	EPA STE	
GENERATOR	HAZARDOUS WASTE 35	A DI	IRM-E	9139	X				7		٨		1	Bulk Vac-teuc	K	/A		
	2				Ŀ				-									
	3		·		_							_						
	4 •		· · · · · · · · · · · · · · · · · · ·															+
	5 (2.0%)			,	\vdash	_				-		+	9	600 l	4	-	+	-
	SPECIAL HANDLING INSTRUCTIONS INCL. WHICH DO NOT HAVE TO BE MANIFESTE		INER EXEMPTION (i.e. IDE	NTIFICATION OF AC	DOITK	NAL	WAS	TES	INCLUDED IN S	HIPM	ENT C	OF A NO	1	<u>. </u>	RE	<u> </u>		
	CYANIDE		PPM											• •				
	GENERATIOR'S CERTIFICATION. I ding to the applicable regulations of Disposal Facility can and will acce	of the Departme	ent of Transportation, U.S. I	EPA, and the State. 1	The w	astes	descn	bed a	above were con	signe	d to th	e Transi	porter na	med. The Trea	tment, St	orage	or	
	GENERATOR'S SIGNATURE * Chink Will	asin	Tech Syl.	DATE SHIPPED	٠.		lı	114	ARRIVAL DATE				K 39					
	TRANSPORTER VEHICLE I.D. NO. STATE N.Y	Y.S. WASTE HA	AULER PERMIT NO.	TRANSPORTER NO RECEIPT OF SHIRM	ENT		\sim		esa-					DATE RECE	I (<u> </u>	85 Year	<u> </u>
TER	PART 8:																	
o be filled out by TRANSPORTER	TRANSPORTER NO. 1 SIGNATURE AND CE	ertification of												DATE DELIV	/ Da	, 15	Year	ر ک
18	NO. 2 VEHICLE STATE		MBER	STATE NUMBER TO RECEIPT OF SHIPM	ENT		ER NO	0. 2 :	SIGNATURE AN	+O CE	ATIFIC	CATION	OF	DATE RECE	Day	, <u> </u>	Year	
	TRANSPORTER NO. 2 SIGNATURE AND CO													Month	/ERED	<u> </u>	Year	
	TREATMENT STORAGE OR DISPOSAL FAC OF REJECTED MATERIALS	CILITY OF ANY	DIFFERENCES BETWEEN	MANIFEST AND SHI	PMEN	IT OR	USTI	NG (OF REASONS F	OR A	ND D	ISPOSIT	ЮN				NDLI	
ر اح و															1	0	8	4
o be filled out by TSD FACILITY															3		-	+
-					T-1									DAY	4			
.,	THEATMENT STORIGE OR DISPOSAL FACE		UHE AND CERTIFICATION		TITU	2	<u> </u>		TESL					Month	/ED)	5	8	>



Uniform State

92143

HAZARDOUS WASTE MANIFEST

Work Order No. A The Transaction

F	ART A:								^v	vas	ste	viani	rest	No. <u>55 7</u>	50, 77	<u> </u>	<i>.</i>	
	NAME		SITE ADDR	ESS		T		PH	ONE NO					EPA I.D	NO.			
	GENERATOR	170	I Wheeling no	<i>الداء</i> نار		T					+	. (4.)	1 4	JAU7.74 (٠,٠	_		\neg
Γ	TRIANGLE PWC		HOLLE WEST Y		632	1.	30	4.	441 - 4	að.	- 1				1 1	1	1	,
	TRANSPORTER NO. 1	6.0	Box 8706			T								·····				
ľ	GENERAL MULT. Plex		100 0H.0 447	7:1		3	Sic	-4	92 - 939	73		H _I C	LDI	<u> </u>	Si≦i	\Box	5 i 3	42
ſ	TRANSPORTER NO. 2 (IF ANY)																	
												1	1.1			_1	1	1
	TREATMENT STORAGE OR DISPOSAL FACILITY	509	Pa ABGR RD															
	CECOS INTERNATIONAL, INC.	19.10	1-058084 040	Lir Til		1	:	• 7	14-6114) <u> /</u> 2	101	019171	413	1	714	70
			HAN TWO TRANSPORTERS ARE								- 1	Т			7-1	T	\neg	
Į		THIS FORM	IS NOOUT OF A T	OTAL OF				IANH	FEST DOCUME	NT NO			<u> </u>					
	·	CECOS			Н	FO		_		S	UNI		-		EPA			ļ
	PROPER U.S. DOT SHIPPING NAME	PROD.	U.S. DOT HAZARD CLASS	UN NUMBER	9	CIONID	S	SLUDGE	QUANTITY	ווסא	Ϋ́	ON S	CC	NTAINERS	HAZ.	WA	EPA STE	TYPE
E					SOLID	일	GAS	न्न		ð	3	8 5	NO.	TYPE		<u> </u>		
GENERATOR	HAZILEDOUS WASTE	A SSI	6601-6	9/89	×				-7		x		1	BUIL	١.,	10		
띨	Sala Nas 3	(5×1	<u> </u>	. 7(3)				_	•			+	+	VAC-HEUC	E n	132	+	+
g	2																	
	3				-													
	3																_	
. 7	4			,													1	
					┼		\vdash		<u> </u>	-		+	+	 		-	+	+
, <u></u>	5		,															
Ųħ.	6												T					
	SPECIAL HANDLING INSTRUCTIONS IN	CLUDING C	ONT AINER EXEMPTION (i.e. IDE)	VITEICATION OF AC	ЮТЮ	NAL	WAS	TES	INCLUDED IN S	HIPM	IENT (OF A N	ON-HA	ZARDOUS NATU	IRE			
è	WHICH DO NOT HAVE TO BE MANIFES	TEDI																
	CYAVIDIC	ايد لو	₽PM ···							-								
	ding to the applicable regulation	s of the Dep	ertify that the above named mater artment of Transportation, U.S. E	PA, and the State. 1	The w	stes	descri	bed a	above were con	signe	d to th	ne Trans	sporter i	named. The Tree	tment, St	n acco	f. Df	
	GENERATOR'S SIGNATURE	cept the sh	pment of hezerdous waste and h	DATE SHIPPED					ARRIVAL DAT					NSE NUMBER	oge.			
	* What Mc	Elm	- Section!	11/11/43			11	116	1/43			18	K 3	sa ·				
	TRANSPORTER	1 1	T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TRANSPORTER NO	. 1 SK	GNAT	URE	AND	CERTIFICATION	N OF		<u> 1 ->/-</u>		DATE RECE	IVED ,)		23	
	I.D. NO. STATE	N.Y.S. WAS		*		' /			<u> </u>	_				i I Month	Da	y	Yea	
To be filled out by TRANSPORTER	PART B:																	
å Ö	TRANSPORTER NO. 1 SIGNATURE AND	CERTIFICAT	TION OF DELIVERY AND NON-TA	MPERING WITH SE	HIPME	NT								DATE DELIV	/ERED			
NS S														Month	Da	,	Yes	,
46	TRANSPORTER	TT		STATE NUMBER TO		PORT	ER NO). 2	SIGNATURE AN	4D C	RTIF	CATION	OF	DATE RECE				
-	NO. 2 VEHICLE STATE		NUMBER											Month	Day	,	Year	
	TRANSPORTER NO. 2 SIGNATURE AND	CERTIFICA	TION OF DELIVERY AND NON-T	AMPERING WITH S	HIPME	NT								DATE DELIV	/ERED			
														Month	Da	<u>,</u>	Year	,
	TREATMENT STORAGE OR DISPOSAL F OF REJECTED MATERIALS	ACILITY OF	ANY DIFFERENCES BETWEEN N	MANIFEST AND SHI	PMEN	T OR	UST	NG (OF REASONS F	OR A	ND C	HSPOSI	TION				NDLI	
															-	Mt	THO	
à,															1			
βĘ															2			
AC															3	+	+	+
o be filled out by TSD FACILITY	·														3	-	-	+
5,5															4			
	THEATMENT STORAGE OR DISPOSAL F	ACILITY SK	GNATURE AND CERTIFICATION		TITLE									DATE RECEI	/ED			
														Month	Day		Year	



*	200
Work Order No.	<u> 92356</u>

4879	Spring	Grove	Ave,	Cincin

1	PART A:								\	Was	ste M	anit	est N	۷o. <u>څخ</u> آ	3.17	<u>::</u> 2	<u>ئ يک</u>	`	
\neg	NAME		SITE ADDR	RESS				Pŀ	ONE NO					EPA I.D	. NO.				٦
	GENERATOR	170	of Wheeling	AVE		T					-	m	11 (fit unu C	1 67	cp.	₹1		٦
		610	NOALE WEST V.	RGIN. A		1	30 '	7-	345-40	وبمدر		1	Ш.	111			_1	1	
	GRATION AND STATE TO MANUAL MA																		
-	DEMANDE LA PARE SCIENTIFICATION THE TO CONTAINER EXEMPTION S. DESTIPACION OF ADDITIONAL WASTS INCLUDED IN SHIPMENT OF A NORMAZINDUS NATURE SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION S. DESTIPACION OF ADDITIONAL WASTS INCLUDED IN SHIPMENT OF A NORMAZINDUS NATURE SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION S. DESTIPACATION OF ADDITIONAL WASTS INCLUDED IN SHIPMENT OF A NORMAZINDUS NATURE SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION S. DESTIPACATION OF ADDITIONAL WASTS INCLUDED IN SHIPMENT OF A NORMAZINDUS NATURE SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION S. DESTIPACATION OF ADDITIONAL WASTS INCLUDED IN SHIPMENT OF A NORMAZINDUS NATURE WHICH DO NOT HAVE TO BE MANIFESTED. CAN DE PM GENERATOR'S CERTIFICATION. Their is to contrib the three above harment destinated are proported contained, described, pick-special, marked and above and are in proported contained in the state of content to the base of my increased and state of the state of my increased and state of my	<u>-/[/</u>	4																
	EGENDATION OF THE PROPERTY OF THE PROPERTY AND CONTAMES EXAMPTION 6. DONTPICATION OF ADDITIONAL WASTES PICLUDED IN SHIPPINGT TO BE MANUSCRITTON. THE TO BE ADMINISTRATION SHIPPING THE THE OFFICE OF THE PROPERTY OF THE PROPE																		
	NAME INDIA TO MINELLINE SITE ADDRESS PHONE NO. EPA LD. NO. SMALL MARKETS AND STATE STA		\dashv																
-	NAME ITO Whitelinds AVE Glendric Nest Vizen. 9 304-345-4040 Small Quantity Criticis RANGE PWC Glendric Nest Vizen. 9 304-345-4040 AND JOINT JOINT CRITICIS GRAND AND AND AND AND AND AND AND AND AND	716	1																
	IF I	REAL DAME ITO WHICE LIVE AVE ITO WHICE LIVE	$\overline{}$																
	NAME SITE ADDRESS PHONE NO. EPA LD. NO. EPA LD. NO. SINGRATON LTO Wheeling AVE Glendie West Visu, n. a. 30 7 245 4000 SOURCE ADDRESS PHONE NO. SOURCE ADDRESS PHONE NO. SOURCE ADDRESS SOURCE AD																		
	NAME SITE ADDRESS PHONE NO. EPA I.D. NO. EMBATOR IT OI Whitelinus AVE Glembaic Nebst Virg. N. P. SOFT ASYS - 49-D. INFORMATION TO BE WASHED TO BE WILLIED FOR DUTY AND DOTATE TO BE WILLIED FOR DOTATE TO BE WILLIED		- 1																
	NAME SITE ADDRESS PHONE NO. EPA I.D. NO.		Æ																
5	NAME SITE ADDRESS PHONE NO. EPA I.D. NO. SITE ADDRESS PHONE NO. SMAPLE N	_	\dashv																
Z.	SEATON OF CHANGE ON THE CONTROL OF THE CONTROL OF ADDITIONAL WASTES NOLUDED IN SHIPMENT OF A NONHAZARDOUS MATURE PROCEINATION OF THE MANGESTED UNDER CONTAINER EXEMPTION ILL DEPTREATION OF ADDITIONAL WASTES NOLUDED IN SHIPMENT OF A NONHAZARDOUS MATURE PROCEINATION OF THE MANGESTED UNDER CONTAINER EXEMPTION ILL DEPTREATION OF ADDITIONAL WASTES NOLUDED IN SHIPMENT OF A NONHAZARDOUS MATURE PROCEINATION OF THE MANGESTED UNDER CONTAINER EXEMPTION ILL DEPTREATION OF ADDITIONAL WASTES NOLUDED IN SHIPMENT OF A NONHAZARDOUS MATURE PROCEINATION OF THE MANGESTED UNDER CONTAINER EXEMPTION ILL DEPTREATION OF ADDITIONAL WASTES NOLUDED IN SHIPMENT OF A NONHAZARDOUS MATURE PROCEINATION OF THE MANGESTED UNDER CONTAINER EXEMPTION ILL DEPTREATION OF ADDITIONAL WASTES NOLUDED IN SHIPMENT OF A NONHAZARDOUS MATURE CONTAINER SHIPMENT ON THE MANGESTED UNDER CONTAINER EXEMPTION ILL DEPTREATION OF ADDITIONAL WASTES NOLUDED IN SHIPMENT OF A NONHAZARDOUS MATURE CONTAINER SHIPMENT ON THE MANGESTED UNDER CONTAINER EXEMPTION ILL DEPTREATION OF ADDITIONAL WASTES NOLUDED IN SHIPMENT OF A NONHAZARDOUS MATURE CONTAINER SHIPMENT ON THE MANGESTED UNDER CONTAINER SHIPMENT ON THE RESOURCE DECIDENT MATERIAL AND CONTROL OF A NONHAZARDOUS NATURE CONTAINER SHIPMENT ON THE MANGESTED UNDER CONTAINER SHIPMENT ON THE RESOURCE DECIDENT MATERIAL AND CONTROL OF A NONHAZARDOUS NATURE CONTAINER SHIPMENT ON THE MANGESTED UNDER CONTAINER SHIPMENT ON THE RESOURCE OF SHIPMENT ON THE RESOURCE SHIPMENT ON THE RESOURCE OF SHIPMENT ON THE RESOURCE SHIPMENT ON THE RESOURC																		
GENERATOR	ATMINISTRATIONAL INC. CONTINUED CONTI	\top	٦																
		SOUTH AND 1 HANK SPORTER NO. 1 ILYO MILITARY ROS SPORTER NO. 2 OF ANY INMENT STORAGE OR SO 92 A BC R RD SO 93 A BC R RD SO 93 A BC R RD SO SINTERNATIONAL INC. I	\dashv																
	3	SALEARITY OS INTERNATIONAL, INC.																	
	4	1.																\top	_
1					_							1	<u> </u>		 ,	-	\sqcup	4	_
انزا	5	7 25													1				
	PROPER U.S. DOT SHIPPING NAME PRODE THAN TWO TRANSPORTERS ARE TO BE UTILIZED, FILL OUT THE FOLLOWING AS APPROPRIATE THIS FORM IS NO. OUT OF A TOTAL OF THE FIRST MANIFEST DOCUMENT NO IS PRODE THAN TWO TRANSPORTERS ARE TO BE UTILIZED, FILL OUT THE FOLLOWING AS APPROPRIATE THIS FORM IS NO. OUT OF A TOTAL OF THE FIRST MANIFEST DOCUMENT NO IS PRODE THAN TWO TRANSPORTERS ARE TO BE UTILIZED, FILL OUT THE FOLLOWING AS APPROPRIATE THIS FORM IS NO. OUT OF A TOTAL OF THE FIRST MANIFEST DOCUMENT NO IS FORM UNITS FORM UNITS FORM OUT OF A TOTAL OF THE FIRST MANIFEST DOCUMENT NO IS FORM OUT OF A TOTAL OF THE FIRST MANIFEST DOCUMENT NO IS FORM UNITS FORM UNITS FORM UNITS FORM OUT OF A TOTAL OF THE FIRST MANIFEST DOCUMENT NO IS THE FIRST MANIFEST DOCUMENT NO IS FORM UNITS FORM UNITS FORM OUT OF A TOTAL OF THE FIRST MANIFEST DOCUMENT NO IS UNITS FORM OUT OF A TOTAL OF THE FIRST MANIFEST DOCUMENT NO IS THE FORM OUT OF A TOTAL OF THE FIRST MANIFEST DOCUMENT NO IS THE FORM OUT OF A TOTAL OF THE FIRST MANIFEST DOCUMENT NO IS THE FORM OUT OF A TOTAL OF THE FIRST MANIFEST DOCUMENT NO IS THE FORM OUT OF A TOTAL OF THE FIRST MANIFEST DOCUMENT NO IS THE FORM OUT OF A TOTAL OF THE FIRST MANIFEST DOCUMENT NO IS THE FORM OUT OF A TOTAL OF THE FIRST MANIFEST DOCUMENT NO IS THE FORM OUT OF A TOTAL OF THE FIRST MANIFEST DOCUMENT NO IS THE FORM OUT OF A TOTAL OF THE FIRST MANIFEST DOCUMENT NO IS THE FORM OUT OF A TOTAL OF THE FIRST MANIFEST DOCUMENT NO IS THE FORM OUT OF A TOTAL OF THE FIRST MANIFEST DOCUMENT NO IS THE FORM OUT OF A TOTAL OF THE FIRST MANIFEST DOCUMENT NO IS THE FORM OUT OF A TOTAL OF THE FIRST MANIFEST DOCUMENT NO IS THE FORM OUT OF A TOTAL OF THE FIRST MANIFEST DOCUMENT NO IS THE FORM OUT OF A TOTAL OF THE FIRST MANIFEST DOCUMENT NO IS THE FORM OUT OF A TOTAL OF THE FIRST MANIFEST DOCUMENT IN THE FORM	\top	┪																
ź.		IDING CC	NTAINER EXEMPTION (i.e. IDE	MITEICATION OF AD	DITIO	NAI	WAS	TES	INCLUDED IN S	HIPM	ENT OF	A NO.	NHAZA	ABDOLIS MATU	De	<u> </u>	Ш		\dashv
и.	WHICH DO NOT HAVE TO BE MANIFESTED	O)				,,,,,,,	*17.5), tir 141	CINT OF	A 140	THE PARTY OF THE P	MOOOS NATO	THE .				
, i		7													· · · · ·				_
	SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (i.e. IDENTERCATION OF ADDITIONAL WASTES INCLUDED IN SHPMENT OF A NON-HAZARDOUS NATURE MINISTER ON THAT HAVE TO BE MANIFESTED! SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (i.e. IDENTERCATION OF ADDITIONAL WASTES INCLUDED IN SHPMENT OF A NON-HAZARDOUS NATURE WHICH DO NOT HAVE TO BE MANIFESTED! CENERATOR'S CERTEFICATION. This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the application of the Described for submitted and care in proper condition for transportation according to the application of the Described for submitted and care in proper condition for transportation according to the application of the Described for submitted and care in proper condition for transportation according to the application of the Described for submitted and care in proper condition for transportation according to the application of the Described for submitted and care in proper condition for transportation according to the application of the Described for submitted and care in proper condition for transportation according to the application of the Described for submitted and care in proper condition for transportation according to the application of the Described for submitted and care in proper condition for transportation according to the application of the Described for submitted and care in proper condition for transportation according to the application of the Described for submitted and care in proper condition for transportation according to the application of the Described for the Application and care of the D																		
	DATE OF THE PROPERTY OF THE BOOK MANGERS OF THE STORE OF																		
	* Chuck Mc Clan	ANUMADA TANY PROFER NO. 2 (IF ANY) MINISTORACE OR SAL FACUTY FENDER THAN TWO TRANSPORTERS ARE TO BE UTULED, OF LOUT THE FOLLOWING AS APPROPRIATE FENDER THAN TWO TRANSPORTERS ARE TO BE UTULED, OF LOUT THE FOLLOWING AS APPROPRIATE THAN FORMS NO. OUT OF A TOTAL OF THE FOLLOWING AS APPROPRIATE THAN FORMS NO. OUT																	
		AT ARCHARD TANK SPORTER NO. 2 IF ANY SOSAL FACILITY SOSAL FACILITY SOSAL FACILITY F. MORE THAN TWO TRANSPORTERS ARE TO BE UTILIZED. FALL OUT THE FOLLOWING AS A PPHOPMATE THIS FORM IS NO. OUT OF A TOTAL OF THE FIRST MANIFEST DOCUMENT NO. 8 PROPER U.S. DOT CODE HAZARD CLASS NUMBER 9 9 9 9 9 9 0 0 0 0 0 0 0 0 0 0 0 0 0																	
	RAINENT STORAGE OR SORA A GCR RD SORA A GCR RD FINISH AND GURG SILD UCITY F MORE THAN TWO TRANSPORTERS ARE TO BE UTILIZED. FAL OUT THE FOLLOWING AS APPROPRIATE THIS FORM IS NO OUT OF A TOTAL OF THE FOLLOWING AS APPROPRIATE THIS FORM IS NO OUT OF A TOTAL OF THE FOLLOWING AS APPROPRIATE THIS FORM IS NO OUT OF A TOTAL OF THE FOLLOWING AS APPROPRIATE THIS FORM IS NO OUT OF A TOTAL OF THE FOLLOWING AS APPROPRIATE THIS FORM IS NO OUT OF A TOTAL OF THE FOLLOWING AS APPROPRIATE THIS FORM IS NO OUT OF A TOTAL OF THE FOLLOWING AS APPROPRIATE THAT A GLOUDS UP AND THE TAIL THE TOTAL OUT OF A TOTAL OF THE FOLLOWING AS APPROPRIATE THAT A GLOUDS UP AND THE TAIL THE TOTAL OUT OF A TOTAL OF THE FOLLOWING AS APPROPRIATE THAT A GLOUDS UP AND THE TAIL THE TAIL THE TOTAL OUT OF A TOTAL OUT OF THE TAIL	<u> </u>																	
Ē																			
TRANSPORTER	PART B:		· · · · · · · · · · · · · · · · · · ·																
SPC	TRANSPORTER NO. 1 SIGNATURE AND CER	RTIFICATI	ON OF DELIVERY AND NON-TA	AMPERING WITH SH	HPME	NT								DATE DELIV	ERED	-	5	٤	
E E	TRANSPORTER TO	-				PORT	ER NO). 2 :	SIGNATURE AN	ID CE	RTIFICA	TION	OF .			<u> </u>	Yes	ır	_
-	NO. 2 VEHICLE	٠Ļ		RECEIPT OF SHIPMI	ENT									Month	D mu		٧		
	NAME SITE ADDRESS PHONE NO. EPA I.D. NO.		_																
		NAME IT ON WHICE IN A NO. GRAND IC NOST TRANSPORTER AND TO SUPPLY AND AND SUPPLY AND SUPPLY AND AND SUPPLY AN																	
	SATE ADDRESS PHONE NO. EPA I.D. NO. TO Wheelings AND TO Wheeling																		
	NAME IT OI WHOLEIN'S AND IT OI WHOLEIN'S AND IT OI WHOLEIN'S AND CHARGE PW C GIENDAIC WEST VIZEUN AND IT OI WHOLEIN'S AND CHARGOTTER NO. 1140 MILLIONED AND REMANDORTER NO. 2 IF AND AND REMANDORTER NO. 2 IF AND REMANDO	 																	
_5			í	:					4.						1			\perp	
35	₹		· • • • • • • • • • • • • • • • • • • •						;						2				
TSD FACILITY															3	П		\top	
TSD															4	\vdash		+	_
•	THEATMENT STORAGE OR DISPOSAL FACI	LITY SIGI	NATURE AND CERTIFICATION	Τ	TITLE							<i>:</i> .		DATE RECEIV		Ш	\perp		
			61 who		(A)						,			Month	Dav		×	5	

Lancy Laboratories

Triangle Conduit & Cable Co.

Glen Dale, W. Va.

Acid Batches (continued)

time the batch neutralization tanks are filled, it should be checked for chronium before neutralization is started.

Dry hydrated lime will be used for neutralization of the acid content of the waste, and it will be metered at a steady rate by a rotary air-lock feeder. The progress of the reaction is followed by an indicating pH controller and double checked with pH paper. During the first several months of operation, the lime should be added in small increments (5-10 minutes of feed at a time) and at least 5 minutes of mixing time should be allowed between the addition of each increment. After experience has indicated the approximate amount of lime required for each batch, the additions can be made continuously until nearly the entire required amount has been fed.

The turbine agitator should be started before any line additions are made and it should be kept running throughout the neutralization procedure and during the pump-out of the neutralization tank. It should be turned off just before the solution level falls to the turbine blades as the tank is emptied.

The entire neutral batch will be pumped out to the outside settling pends for de-watering and thickening.

(a) Non Chromate-Containing Batches

If analysis indicates the absence of hexavalent chromium, line is added to increase the pH to 7.5-9.0. The neutralized contents of the tanks are then pumped to the outside sludge bed.

(b) Chromate-Containing Batches

If analysis indicates the presence of hexavalent chromium in the acid collection tank, sodium bisulfite solution is added from the mixing tank until all chromium is reduced as determined by analysis. At this point, the pH is increased to a range of 7.5-9.0 by the addition of lime. (Test Procedure WCR-ST).

Discarded process solution from the continuous strip line, such as acid dip and chronium solution will also be transferred to the waste acid storage tank.

Triangle Conduit & Cable Co.

Glen Dale, W. Va.

K. INTEGRATED CHROMIUM TREATMENT SYSTEM

Location: EMT Treatment System, Col. #5 to 7

INTRODUCTION

The Integrated Chromium Treatment System utilized hydrazine and soda ash for the complete reduction of hexavalent chromium and precipitation of the trivalent chromium hydroxide. The reactions proceed in two stages with the chromium being reduced to the trivalent state by hydrazine and the trivalent chromium ions being precipitated as the hydroxide and carbonate through the addition of sodium carbonate to maintain an alkaline condition.

FUNCTIONAL DESCRIPTION

The chromium treatment system consists of treatment wash tanks in the EMT process line and a treatment reservoir, chemical feed pump, chemical mixing tank, and circulation pumps all external to but integrated with the metal finishing process.

The arrangement of the equipment is such as to provide the addition of treatment chemicals to the treatment solution; and to provide recirculation of the solution from the reservoir to the treatment wAsh tank and back to the reservoir.

The treatment solution reservoir is sized to serve two important functions. The first function is to serve as the all-important buffering component in the system to neutralize the shock loading caused by sudden and irregular changes in the quantity of chromate solution drag-out treated. The second function is to serve as a clarifier, settling out the insoluble chromium hydroxides and carbonates formed in the reaction.

To provide satisfactory treatment, the treatment solution must be maintained at a pH of 7.0-8.5 with an excess of hydrazine at a concentration of 500-700 ppm.

In operation, the clear supernatant from the chromium treatment solution reservoir is transferred to the treatment wash tank where it is distributed in excessive quantities over the surface of the work pieces. Upon contact, all hexavalent chromium in the drag-out is reduced to the trivalent form by the hydrazine. The trivalent chromium then reacts with the available alkalinity, producing trivalent chromium hydroxide and carbonate, and the products of this stage of the reaction are washed from the surface of the work pieces by the excess treatment solution.

Triangle Conduit & Cable Co.

Glen Dale, W. Va.

Integrated Chronium Treatment System (continued)

Thus, the work pieces leave the treatment wash tanks wetted only with harmless treatment solution which is removed in subsequent rinse tanks and discharged with other non-toxic rinse waters.

The partially-spent chromium treatment solution is returned from the treatment wash tanks to the treatment solution reservoir where the insoluble trivalent chromium hydroxide and the carbonate settle out.

Prior to return to the treatment wash tank, the alkalinity and the hydrazine of the treatment solution are replenished by the addition of soda ash (sodium carbonate) and hydrazine.

A chemical mixing tank is provided for daily make-up of a solution containing soda ash and hydrazine. Addition of this chemical solution is controlled by an automatic pH controller which operates the chemical feed pump.

CHEMISTRY OF THE SYSTEM

The reduction of Hexavalent chronium to trivalent chronium through the use of hydrazine can be represented with the following chemical equation:

$$4H_2Cr_{04} + 3N_2H_4$$
 $4Cr_{0H})_3 + 3N_2 + 4H_2O$

OPERATION

1. Chemical Feed Rates:

Tentatively, it is proposed that a solution of soda ash and hydrazine be prepared with a mixture of 25 lb./50 gal. soda ash, and $4\frac{1}{2}$ pints/50 gal. hydrazine hydrate (85%). The feed rate of this solution will be controlled by an automatic pH controller, so as to maintain the pH at the desired level. Since the hydrazine will be added from the same solution, the exact ratio of hydrazine to soda ash required in the mixing tank must be established empirically so that the desired level of hydrazine is maintained in the treatment solution at all times. The hydrazine concentration should be kept at 500-700 ppm and the pH at 7.5 to 8.5.

2. Chemical Control

(a) Treatment Solution

These chemical tests are performed on samples of the treatment solution taken from the influent to the treatment wash tanks before the solution comes in contact with the work pieces.



Work Order No. <u>92369</u>

- 1	PART A:						_ \	Wast	e.Ma	anif	est N	lo	<u> </u>		·	
T	NAME	SITE ADD	RESS			PH	ONE NO					EPA I.D	NO.			
	GENERATOR TRANSPORTER NO. 1	1701 Wheen 3	<u>. </u>							,- <u>-</u> -	: 0 	, 1 1 1				
	TRANSPORTER NO. 1 TRANSPORTER NO. 2 (IF ANY)	1 41 mm			-		<u> </u>		1/	L)I	_1_	114	لنك	_1	_1_	14
	TREATMENT STORAGE OR	6503 FIG. 5 503					· · · · · · · · · · · · · · · · · · ·		-	Ш		1_1_1			_1_	_
	CECOS INTERNATIONAL, INC.				Ŀ					1.1		1 121	44	-1	71	
	* *							_	-			TII		T		
<u>^</u>			-													\dashv
R	THIS FORM IS NOOUT OF A TOTAL OF					EPA STE	ГҮРЕ									
GENERATOR	PROPER U.S. DOT SHIPPING NAME CODE NUMBER PROPER U.S. DOT SHIPPING NAME CONTAINERS PROPER U.S. DOT SHIPPING NAME PROPER U.S. DOT SHIPPING NAME CONTAINERS PROPER U.S. DOT SHIPPING NAME PROPER U.S. DOT SHIPPING NAME CONTAINERS PROPER U.S. DOT SHIPPING NAME PROPER U.S. DOT SHIPPING NA															
GEN	2	- P							_			···			\downarrow	
	3 1 2				_	_			_							
					-	_			-						-	_
,					+	_			-						1	-
	PROPER U.S. DOT SHIPPING NAME PROD CODE HAZARD CLASS NUMBER 9 9 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0															
· • ·	ISPOSAL FACULTY THIS FORMIS NO. UN THE FORM THAN TWO TRANSPORTERS ARE TO BE UTILIZED. FILL OUT THE FOLLOWING AS APPROPRIATE THIS FORMIS NO. OUT OF A TOTAL OF THE FIRST MANIEST DOCUMENT NO IS PROPER U.S. DOT SHIPPING NAME OUN TS PROPER U.S. DOT SHIPPING NAME OUN TYPE PROPER U.S. DOT CODE HAZARD CLASS UN UNITS FORM UNITS FORM UNITS FORM UNITS FORM UNITS FORM OUN TYPE ON TYPE FORM OUN															
	IF MORE THAN TWO TRANSPORTERS ARE TO BE UTILIZED, FILL OUT THE FOLLOWING AS A PPROPRIATE THIS FORM IS NOOUT OF A TOTAL OFTHE RIST MANIFEST DOCUMENT NO IS PROPER U.S. DOT					y. 										
	2 3 4 5 SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION i.e. IDENTIFICATION OF ADDITIONAL WASTES INCLUDED IN SHIPMENT OF A NON-MAZARDOUS NATURE WHICH DO NOT HAVE TO BE MANIFESTED) GENERATOR'S CERTIFICATION. This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. FPA, and the State. The wasted described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility call and will accept the shipment of hazardous wiset and has a valid permit to do so I certify that the foregoing is to the abid correct to the best of my knowledge. GENERATOR'S SIGNATURE TRANSPORTER NO. 1 SIGNATURE AND CERTIFICATION OF DATE RECEIVED TRANSPORTER NO. 1 SIGNATURE AND CERTIFICATION OF DATE RECEIVED															
	VEHICLE														Yea	
TER	PART B:															
TRANSPORTER	TRANSPORTER NO. 1 SIGNATURE AND CER	ATTIFICATION OF DELIVERY AND NON-T	AMPERING WITH SH	IPMEN1	7							DATE DELIV	ERED Day		Year	
TR/	TRANSPORTER NO. 2 VEHICLE I.D. NO. STATE	NUMBER	STATE NUMBER TR. RECEIPT OF SHIPME	ANSPO NT	RTER	NO. 2	SIGNATURE AN	ND CER	TIFICAT	ION C)F	DATE RECE			Year	
	TRANSPORTER NO. 2 SIGNATURE AND CER	RTIFICATION OF DELIVERY AND NON-T	AMPERING WITH SH	IPMEN	r							DATE DELIV			Year	
	TREATMENT STORAGE OR DISPOSAL FACIL OF REJECTED MATERIALS	LITY OF ANY DIFFERENCES BETWEEN	MANIFEST AND SHIP	MENT	OR LIS	TING (OF REASONS FO	OR AND	DISP	OSITIO	ON	Month	Day		NDLIN THO	NG
<u></u>													1			\prod
SD FACILITY													2		\perp	
TSD													4		-	
	THEATMENT STORAGE OR DISPOSAL FACIL	LITY SIGNATURE AND CERTIFICATION		TITLE								DATE RECEIV	ED	Ш		_1
												Month	Day		Year	



Work Order No. <u>93399</u>

	PART A:								\	Nas	ste N	tanit	est l	Vo		<u>ن د.</u>	<u> </u>	<u>></u>
	NAME		SITE ADDR	ESS		T		PH	ONE NO		\top			EPA I.D	NO.			
Ì	GENERATOR	1701	Wheel ng	MVC								SM	0	JANT, t.	(: x	C- 1	121	,
	TRANGLE PWC	1316	NOALE NE	+ W. EGIN.	73		30	4	245.4	02	0	1		1 1 1	1 1	1	1	,
	TRANSPORTER NO. 1	150	à6 133 Sou	111		\top	-							- 11				
i	ASSORTER NO. 2 of ANY) SET TOWN OF THE PROPERTY OF A MONEY THAN TWO TRANSPORTERS ARE TO BE UTILIZED. PLA OUT THE POLLOWING AS APPROPRIATE THE FORM SO	710	31 1															
	TRANSPORTER NO. 2 (IF ANY)					T						7					4	
		SPORTER NO. 1 ISOA 133 SOUTH	. 1	ı	. 1													
	TREATMENT STORAGE OR	CONTAINER ON THE PROPERTY OF A MONTAINER PROPERTY OF A MONTAINER PROPERTY OF A SIGNATURE AND CERTIFICATION. The is a certify that the above number materials are property classified, described, perhapsed in the Despirement of Transpositions on Signature. Signature and certification for the beat of the Despirement of Signature. Si																
	REMAJE PWC GIENDAJE WEST V. EVIN. 1) 304-245-4020 NORDORIEN NO. 2 IF ANY 1 IAMBOR THAN 10 2 IF ANY 1 IAMBOR THAN 100 TRANSPORTERS ARE TO BE UTILIZED, FILL OUT THE FOLLOWING AS APPOPRING THAN 50 IN THIS FORM IS NO. DOT OF A TOTAL OF THE FIRST MANUEST DOCUMENT NO S PROPER U.S. DOT PROD. CCCOS INTERNATIONAL, INC. DIAMAGE OF THE FIRST MANUEST DOCUMENT NO S PROPER U.S. DOT CCCOS INTERNATIONAL THAN 100 TH	714	44															
	IF I	REPAIR HANDLING INSTRUCTIONS INCLIDING CONTAINER EXEMPTION IS. DENTPCATION OF ADDITIONAL WASTES INCLIDED IN SHAME TO BE MANNESSTED FOR ADDITIONAL WASTES INCLIDED IN SHAPE WAS IN ADDITIONAL WASTES INCLIDED IN SHAPE WASTES INCLIDE	$\overline{}$															
	TH	CAMPLE PWC (3/ENDAIL WEST V.EGIM.) 304-94/5-4020 SPORTER NO. 1 SPORTER NO. 2 (6 ANY) STANDAGE OR SOAL FACILITY SOS INTERNATIONAL, INC. SPORTER NO. 2 (6 ANY) STANDAGE OR SOAL FACILITY SOS INTERNATIONAL, INC. SPORTER NO. 0 (7 OR A TOTAL OF THE FIRST MANESTS DOCUMENT NO IS PROPER U.S. DOT PROD. THAS FORM IS NO. OUT OF A TOTAL OF THE FIRST MANESTS DOCUMENT NO IS PROPER U.S. DOT PROD. HAZARD CLASS NUMBER 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8																
٠.	CF	SINDLIFE PWC SPORTER NO 1 ISOAU 133 SOUTH SPORTER NO 2 IF ANYL FINET STORAGE OR SAL FACULTY OS INTERNATIONAL, INC. UNIT DESCRIPTION FINET STORAGE OR SAL FACULTY OS INTERNATIONAL, INC. UNIT DESCRIPTION FINET STORAGE OR SAL FACULTY OS INTERNATIONAL, INC. UNIT DESCRIPTION FORM UNITS FINET FROM IS NO. OUT OF A TOTAL OF THE FIRST MANIFEST DOCUMENT NO B THE FI																
	PROPER U.S. DOT	PROTER NO. 1 SO A	IM A	EPA	TVDE													
œ	REAL HANDING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION IS. DENTERATION OF ADDITIONAL WASTES INCLUDED IN SHAMESTEE FROM THE PROOF OF THE PROPERTY OF SHAMESTEE INCLUDING CONTAINER EXEMPTION IS. DENTERATION OF ADDITIONAL WASTES INCLUDED IN SHAMESTEE OF THE PROPERTY OF SHAMESTEE INCLUDED IN SHAMESTEE OF THE PROPERTY OF SHAMESTEE INCLUDED IN SHAMESTEE OF THE PROPERTY OF SHAMESTEE INCLUDING CONTAINER EXEMPTION IS. DENTERATION OF ADDITIONAL WASTES INCLUDED IN SHAMESTEE OF THE PROPERTY OF SHAMESTEE INCLUDED IN SHAMESTEE OF THE PROPERTY OF SHAMESTEE. **PROPERTY OF SHAMESTEE INCLUDED IN SHAMESTEE OF THE PROPERTY OF SHAMESTEE. **PROPERTY OF SHAMESTEE INCLUDED IN SHAMESTEE OF THE PROPERTY OF SHAMESTEE. **PROPERTY OF SHAMESTEE INCLUDED IN SHAMESTEE OF THE PROPERTY OF SHAMESTEE. **PROPERTY OF SHAMESTEE. **P	J12																
GENERATOR		SORTER NO. 1 SO	:	Т														
Ē	2011 NOS 130	SPORTER NO. 2 IF AMIL SPORTER NO. 1 SONATURE AND CERTIFICATION OF DELIVERY AND NONTAMPERING WITH SHIPMENT SPORTER NO. 1 SONATURE AND CERTIFICATION OF DELIVERY AND NONTAMPERING WITH SHIPMENT DATE PROPRIES NO. 1 SONATURE AND CERTIFICATION OF DELIVERY AND NONTAMPERING WITH SHIPMENT DATE PROPRIES INCLUDED IN SHIPMENT OF A NON-MAZARDOUS NATURE SPORTER NO. 1 SONATURE AND CERTIFICATION OF DELIVERY AND NONTAMPERING WITH SHIPMENT DATE PROPRIES SPORTER NO. 1 SONATURE AND CERTIFICATION OF DELIVERY AND NONTAMPERING WITH SHIPMENT DATE PROPRIES SPORTER NO. 1 SONATURE AND CERTIFICATION OF DELIVERY AND NONTAMPERING WITH SHIPMENT DATE PROPRIES STATE NYS. WASTE MALUER PROMIT NO. STATE NYS. WASTE MALUER PROMIT NO. DATE DELIVERY AND DATE PROMITED DATE DELIVERY DATE DELIVERY DATE DELIVERY DATE DELIVERY AND DATE DELIVERY DATE DELIVERY AND DATE DELIVERY DATE DELIVERY AND DATE DELIVERY DATE DELIVERY DATE DELIVERY AND DATE DELIVERY DATE DELIVERY AND DAT	_															
Ü	2	CAPABLE PWC GRONTER NO. 1 150 & 133 South 150 & 133 So																
				<u> </u>								+	-			\vdash	+	+
	3	CAMADIC PWC (2/ENDA/E WE T V. RUNN) 304-945-4020 SPORTEN NO. 1 150 A U 133 5 S J T 1 SPORTEN NO. 2 IF ANY DA TAUL DISCRETC STATE DISCRETOR SPORTEN NO. 2 IF ANY DA TAUL DISCRETOR SPORTEN NO. 2 IF ANY DISCRETOR SPORTEN NO. 2 SIGNATURE AND CERTIFICATION OF DISCRETOR SPORTEN NO. 2 SIGNATURE AND CERTIFICATION OF DISCRETOR SPORTEN NO. 2 SIGNATURE AND CERTIFICATION OF DATE RECEIVED. STATE NUMBER STATE NUMBER STATE NUMBER STATE NUMBER DATE SERVICIO SPORTEN NO. 2 SIGNATURE AND CERTIFICATION OF DATE RECEIVED. DATE RECEIVED. AND DATE RECEIVED. DATE RECEIVED. DATE RECEIVED. AND DATE RECEIVED. DATE RECE																
÷	4	CAL MANCHES INSTRUCTION, REQUIRE CONTAINER EXEMPTION IS. DENTPERATION OF ADDITIONAL WASTES INCLUDED IN SUMMER TO SECURIFICATION OF DELIVERY AND INCOMPANIES OF THE PROPERTY OF A MONHALARDOUS NATURE COLD MANCHES INSTRUCTION, REQUIRE CONTAINER EXEMPTION IS. DENTPERATION OF ADDITIONAL WASTES INCLUDED IN SUMMER OF THE PROPERTY OF A MONHALARDOUS NATURE COLD MANCHES INSTRUCTION, REQUIRE CONTAINER EXEMPTION IS. DENTPERATION OF ADDITIONAL WASTES INCLUDED IN SUMMER OF THE PROPERTY OF A MONHALARDOUS NATURE COLD MANCHES INSTRUCTION, REQUIRE COUNTAINER EXEMPTION IS. DENTPERATION OF ADDITIONAL WASTES INCLUDED IN SUMMER OF THE PROPERTY OF A MONHALARDOUS NATURE COLD MANCHES INSTRUCTION, REQUIRE COUNTAINER EXEMPTION IS. DENTPERATION OF ADDITIONAL WASTES INCLUDED IN SUMMER OF THE PROPERTY OF THE PRO	\top															
: 2	*											<u> </u>		ļ			\perp	
F.,5	5								. 1									
•		-								-	\vdash	+-		 		\vdash	+	\dashv
	6			-					17,560									
			ITAINER EXEMPTION (i.e. IDEN	VITIFICATION OF AD	DITIO	MAL	WAS	TES	NCLUDED IN S	HIPM	ENT O	A NO	N-HAZ/	ARDOUS NATU	RE	-		
	61	PP	M CVANIDE									٠.						
				nals are properly class	ufied.	descr	ribed.	pack	aged, marked ar	nd leb	eled and	ave in	yoper c	ondition for trae	soortatio	n acco		
- "	ding to the applicable regulations of	the Depart	tment of Transportation, U.S. E	PA, and the State. T	he wa	stes	descr	peq 1	bove were con	signe	d to the	Transc	orter na	arned. The Tree	ment. Ste	orage o	×	
	GENERATOR'S SIGNATURE		1		_	E	XPEC	TED	ARRIVAL DATE	E	T	RAILER						
	*Charle The Clas	NAME TO White My NV STOCKER NV STOCK																
		9 7		TRANSPORTER NO. RECEIPT OF SHIPME	1 SIC	GNAT	URE	AND ~	CERTIFICATION	V OF					VED ;		8	J
	I.D. NO. STATE N.Y.	S. WASTE	HAULER PERMIT NO.	عن -خب	بمن	إسريم	_	نز	1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	<u> </u>	_			Month	Day	<u>'</u>	Yes	*
·~																		
TRANSPORTER	PART B:		/															
Š	TRANSPORTER NO. 1 SIGNATURE AND CER	TIFICATIO	N OF DELIVERY AND NON-TA	MPERING WITH SH	IPME	NT								DATE DELIV	ERED	63		
AN	x This will	<u> </u>												Month	Day		Yes	er .
۳	TRANSPORTER NO. 2 VEHICLE	TT				ORT	ER NO). 2 5	SIGNATURE AN	IO CE	RTIFIC	ATION	OF	DATE RECE	VED			
	I.D. NO. STATE																Year	·
	TRANSPORTER NO. 2 SIGNATURE AND CER	NAME SITE ADDRESS PHONE NO. 170 White ching AVE 170 White chi																
	TREATMENT STORAGE OR DISPOSAL FACI	RAME SITE ADDRESS PHONE NO. EPA LD. NO. EPA LD. NO. RAMPINE PWC RAMPINE PWC RAMPINE PWC RAMPINE PWC RAMPINE PWC RAMPINE PWC RAMPINE ROLL AND RAMPINE RWC RWC RAMPINE RWC RAMPINE RWC RAMPINE RWC RAMPINE RWC RWC RAMPINE RWC RWC RWC RWC RAMPINE RWC	Year	<u>, </u>														
	OF REJECTED MATERIALS	NAME SITE ADDRESS PHONE NO. EPA I.D. NO. RECTOR 170 Wint of June 1 19 10 10 10 10 10 10																
															-			-
<u>}</u> >															1		-	\perp
Ę															2			
FAC															3	\vdash	+	
TSD FACILITY															13	╁	+	
2															4			
	THEATMENT STORAGE OR DISPOSAL FACI	LITY SIGNA	ATURE AND CERTIFICATION		TITLE	/	\	_						DATE RECEIV	₹ 3	-	سبح	3
	M/ , ~~ 2	_	1 2n/ .	(() ز							Month	- Y		Yes	,—

OUTING Manfriedi Common Carrier	BILL OF LADING NO.	МО	8535				PAID	ON OR BE	FORE		AMOUNT
				NET	DUE	DATE	ļ	c,	ASH D	ISCOU	NT
set is a super-											
Littley Control (March 1994)											
ORDER 46375-22				 .							
Ship Auth 18791								· ·			
Ship Auth 18791	<u> </u>										
G0110-465701					-						
						_	34	1			
WASTE VARNISH (1 Load)						& 5,0	200 G	1			Mino
INE PLT-STOCK NO. DESCRIPTION	LENGTH OR # OF	QUAN ORDE	TITY RED:	No. of		MENT Quan Shipt	tity~	w	EIGHT		UNIT
Mo. DAY YR	FROM		SCHEDULED			٠.					709950A
USTOMER NO. TERR. CUSTOMER ORDER NO. AND DATE	RANS	TO BE SI	HIPPED	1		DEL	IVERY	OF SHIPME			5/5/86
	/					,		DATE			
TO BEDFORD, OHIO 44146			F BAC	ss				M PALL	ETS		
HUKILL CHEMICAL	2		E RET.	-} E L				L DRU			
	(/		D COIL	.s				K POWER :	MALE		
SOLD TO		1 1	C BUND	LES				J SPO	ous		
Γ.		PAGE NO.	B CART	-				1 CAS	+		
A BUSBOARY OF THANGLE MOLETINES INC. P O Boz 711/New Bruntwick, New Jersey 08903 / (201) 745-550	0		A LOO					H LENG	THS		



DATE TE NO. 1 STATE	DRIVER NO. 2
PRO # 1/4 1-147 TRACTOR #	TRAILER # 4093 SHIPPER #
Consignee has verified that a connection has been made from the proper tra- facility and that the vendor bill of lading is in accordance with the proper	iller outlet to the proper storage material ordered.
SHIPPER / 110 Tale PINC.	CONSIGNEE Hub GO Chen
ORIGIN Hondale W.	DESTINATION 13 Marie Ch.
LOADING DATEPRELOADED?	UNLOADING DATE
APPOINTMENT TIMEAMPM	SCHEDULED DELIVERY TIME AM PM
TERMINAL START TIME AM PM	ARRIVED AT SCALES AM PM
ARRIVED AT SCALES AM PM	ARRIVED AT DELIVERY SITE AM PM
ARRIVED AT LOAD SITE AM PM	START UNLOADING PM
START LOADING PM	FINISH UNLOADING AM PM
FINISH LOADING 1037 AM PM	LEFT DELIVERY SITE AMPM
LEFT LOADING SITE AMPM	LEFT SCALESAMPM
LEFT SCALESAMPM	RETURNED TERMINAL AMPM
TOTAL DEMURRAGE TIMEHOURS	TOTAL DEMURRAGE TIMEHOURS
CHECK ONE: TRUCK PUMP CUSTOMER PUMP	CHECK ONE: TRUCK PUMP CUSTOMER PUMP
LOADING REMARKS	UNLOADING REMARKS:
Under orgund Tank	The state of the same of the s
The part of the second by the second by	
24500 Hob. 4	
TARE WTGROSS WT	NET WTTOTAL HOURS
3 Albarula Millian	
SHIPPER'S SIGNATURE	CONSIGNEE'S SIGNATURE
アルス・延慢機能を発行している。 ディー・コール・コート・ロップ・ディング・ディー・コール・コール・ファイン	さい、これが大阪製造ではあるとして、大阪衛門を設定して記録がはられています。 たいではられていませんが 1990年 であったがある はっぱい コード・コード (1997年) かいご



* Work Order No. <u>93356</u>

•	PART A:							V	Nas	te N	lani	fest f	۷o. <u>څځ</u> څ	7714	<u>C</u> ;	<u>ಲ್ರ-</u>	
	NAME	SITE ADDR	RESS		T		PH	ONE NO		T			EPA I.D	. NO.			
	GENERATOR	1701 Wheeling	AVE							1	:mi	+11 (Juna) ·	, ,,	•	- 1	\neg
	TRIMUGIE PWC	Gleophie West V.	RG, 14.17			301	4.	845 40	م. م				1 1 1	 	1	1	, 1
	TRANSPORTER NO. 1	Blenditte West V.	3														
	TOURIUMUDIA TACK	FOFFAIO NEW YO			4	<u>ت ک</u>	- 7	24-611	ij	1	47	i Di	018101	31	(01	314	-4/
	TRANSPORTER NO. 2 (IF ANY)	,			Ì						•						
					4							11					
	TREATMENT STORAGE OR DISPOSAL FACILITY	5093 ABER RD															
	CECOS INTERNATIONAL, INC.	MULLIAMSBURG BU.	5 45.74		JT T	<u>5 : 3</u>		7.3 4/-611	<i>i./</i>	<u>_L</u> C	1/4		<u> </u>	413	31.	7 14	44
		IIS FORM IS NOOUT OF A 1								- 1							
				Τ	FO	RM			1	JNIT	s	T		I			
*C.	PROPER U.S. DOT PR	COS ROD. U.S. DOT HAZARD CLASS	UN NUMBER	SOLID	LIGUED	GAS	SLUDGE	QUANTITY	GALLONS	CU. YDS.	TONS		_	EPA HAZ. CODE	WA:	EPA STE	TYPE
GENERATOR	HATARDOUS WHITE F	- 1	9189	¥				Ç0	TOTALE CONTAINERS ST DOCUMENT NO IS UNITS UNITS ST DOCUMENT NO IS UNITS O	1/4							
GEN	2				-					T							
•	3									T						\top	
1	4									\dashv	+	+				+	+
				-	_				-	_	\bot		 	<u> </u>	\sqcup	\dashv	
I-Y.	5																
. e.	6																
2.4	SPECIAL HANDLING INSTRUCTIONS INCLU WHICH DO NOT HAVE TO BE MANIFESTED		NTIFICATION OF A	OITIO	NAL	WAS	TES	INCLUDED IN S	HIPME	NT OF	A NO	N-HAZ/	ARDOUS NATU	RE			
_		CYANIDE 66 P	PM													<u> </u>	
	ding to the applicable regulations of	f the Department of Transportation, U.S. E	PA, and the State. I	The wa	stes	descri	bed a	sbove were con:	signed	to the	Transo	corter na	emed. The Treat	tment. St	n accor	r- or	
	Disposal Facility can and will accept GENERATOR'S SIGNATURE		nas a valid permit to DATE SHIPPED	do so.				ARRIVAL DATE						ge.			
	* Church 1 - O.	E NE	11/30/83			1.	2/3	80/83		- 1				· C			
	TRANSPORTER VEHICLE I.D. NO. STATE NY	S. WASTE HAULER PERMIT NO.	TRANSPORTER NO. RECEIPT OF SHIPM	. 1 SIC	SNAT	URE /	AND	CERTIFICATION		L			DATE RECEI	VED 3		23	
								- A-1-									
EB S	DART D.																
To be filled out by TRANSPORTER	PART B: TRANSPORTER NO. 1 SIGNATURE AND CER	RTIFICATION OF DELIVERY AND NON-TA	AMPERING WITH SH	HPME	NT	<u>-</u>							DATE DELIV	ERED			
NSI S													Month	Day	,	Year	
장	TRANSPORTER NO. 2 VEHICLE		STATE NUMBER TO		ORT	ER NO). 2 5	SIGNATURE AN	D CEF	TIFICA	TION	OF	DATE RECE				
•	I.D. NO. STATE	NUMBER											Month	Day		Year	,
	TRANSPORTER NO. 2 SIGNATURE AND CER	RTIFICATION OF DELIVERY AND NON-TA	AMPERING WITH SI	HIPME	NT								DATE DELIV	ERED			
	TREATMENT STORAGE OR DISPOSAL FACIL	HITY OF ANY DIFFERENCES BETWEEN A	AANIEECT AND CHI	DA ACAI	T OB	LICTI	NG C	VE BEASONS EO	DR AN	O DIS	POSIT		Month	Day		Year	<u></u>
	OF REJECTED MATERIALS	ILLIT OF ANY DIFFERENCES BETWEEN N	MARIFES I AND SHI	r-MEN	ı un	uşm	MG C	r reasons re	JN AN	0 013	rosii	ON				NDL!!	
<u>۲</u>														1			
To be filled out by TSD FACILITY														2			
第日														3			
To t														4			
\	THEATMENT STORAGE OR DISPOSAL FACIL	ILITY SIGNATURE AND CERTIFICATION		TITLE									DATE RECEIV	ED			
1			Ì										Month	Day		Year	,

CANARY - Invoice

WHITE - CECOS

PINK - Hauler's

GOLDENROD - Generator's



Work Order No. 92368

NAME	SITE ADD	RESS			PHONE NO).				EPA I.D	. NO.			
R	1701 Wheeling		\dashv				+-	5M	(QuA			۲ د ۲		
ole Pulc	Chancel lun	T 1100000	,	24	4-041-	4, ,		, ,	1	1 1 4	1 .	1	1	,
TER PWC	ICADO 127 T	21 + 12	`		<u>, 3/5°</u>	/#. 14 <u>0</u>	+							
was tone	13000 175 -	23 t 14	١,	. >	- 787 - 7	010	, !!!	L.V.	N. 0	7,9,7	1.41.	4.0	,	. 1
AUDA TOUK	TENTO HOSTATO	<u>'=' </u>	-+			0,0		٠,٠	1715	4/1/1	<u> </u>	. 13	<u> </u>	1
		DOT 1 1 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1												
T STORAGE OR	CARR ARCH PO						+	لــــــــــــــــــــــــــــــــــــــ					Щ	1_
ACILITY	1 -	A						- 1 <i>1</i>		<i>a</i>				, ,
TENITATIONAL, INC.	MORE THAN THE TRANSPORTERS A	OF TO BE LITE IZED ON L	OUT T	UE EO	- 7 0 C/- C	1 / 6/		7 /-	V	13171	4131	51/	12	بل
							- 1			TIT			7	
	13701413140001.01				7			-			1			
	ISOJU 123 JUNTI SOJU 123 JUNTI SOJU 123 JUNTI SOJU 123 JUNTI NATI NATI NATI SOJU 123 JUNTI F MORE THAN TWO TRANSPORTERS ARE TO BE UTILIZED. FILL OUT THE FOLLOWING AS APPROPRIATE THE FORM IS NO. OUT OF A TOTAL OF THE FIRST MANNEST DOCUMENT NO IS SOJU 123 JUNTI SOJU 123 JUNT													
	ODE HAZARD CLASS	NUMBER	9 9	5	QUANTIT'	기희	ğ	2 2	CON	TAINERS	HAZ.	WAS	STE T	ΥP
	. 1	1 48	잃	3	<u>ਡ</u>	3	3 5	₹ Š	NO.	TYPE	5556			
	A	101225			122			خدا	[,]	A 1				
Nos 3	al ORM-6	1184 X	1	++	100	+-+	^	- P	[-'-]	DUIK		14)	+	+
											'			
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 	+-	+-+	+	+-+	+	+-	 		 	\vdash	+	+
				1										
		+	+	+		++		+			┼	\vdash	+	+
						1 1	-	1						-
						11	\top	1		··	<u> </u>		+	十
													\perp	
														Т
						$\perp \perp$				 		Ш	丄	丄
ting to the applicable regulations of	This is to certify that the above named months of the Department of Transportation, U.S.	etenals are properly classifi 5. EPA, and the State. The d has a valid permit to do	wastes so. I co	descri	ed above were co at the foregoing is	true an	to the	Transp ect to ti	orter na ne best (ned. The Trea of my knowled	tment, St	n accor- orage or	r	
ling to the applicable regulations of Disposal Facility can and will acce	This is to certify that the above named more than the Department of Transportation, U.S. opt the shipment of hazardous waste an	etenals are properly classific 5. EPA, and the State. The d has a valid permit to do DATE SHIPPED	wastes so. I co	descri ertify th	ped above were co at the foregoing is TED ARRIVAL DA	true an	to the	Transpect to the	orter name to best of	ned, The Trea of my knowled E NUMBER	tment, St	n accordorage or	•	_
ding to the applicable regulations of Disposal Facility can and will accellance on the Control of the Control o	This is to certify that the above named mot the Department of Transportation, U.S to the shipment of hazardous waste an TITLE	etenals are properly classific. EPA, and the State. The d has a valid permit to do DATE SHIPPED 11/3/83	so. I co	EXPEC	the foregoing is TED ARRIVAL DA	true an	to the	Transpect to the	orter name to best of	med. The Treat of my knowled E NUMBER	atment, Str	n accor- orage o	,	_
fing to the applicable regulations of Disposal Facility can and will accellars SIGNATURE	This is to certify that the above named must the Department of Transportation, U.S. ppt the shipment of hazardous waste an TITLE	etenals are properly classific. EPA, and the State. The d has a valid permit to do DATE SHIPPED 11/3/83	so. I co	EXPEC	the foregoing is TED ARRIVAL DA	true an	to the	Transpect to the	orter name to best of	ned. The Treat of my knowled E NUMBER	SIVED	orage or	83	
ding to the applicable regulations of Disposal Facility can and will accellars SKINATURE	This is to certify that the above named mot the Department of Transportation, U.S to the shipment of hazardous waste an TITLE	etenals are properly classific. EPA, and the State. The d has a valid permit to do DATE SHIPPED 11/3/83	so. I co	EXPEC	the foregoing is TED ARRIVAL DA	true an	to the	Transpect to the	orter name to best of	ned. The Trea of my knowled E NUMBER DATE RECE	itment, Stratege.	orage or	83	
ting to the applicable regulations of the post of the	This is to certify that the above named must the Department of Transportation, U.S. ppt the shipment of hazardous waste an TITLE	etenals are properly classific. EPA, and the State. The d has a valid permit to do DATE SHIPPED 11/3/83	so. I co	EXPEC	the foregoing is TED ARRIVAL DA	true an	to the	Transpect to the	orter name to best of	ned. The Trea of my knowled E NUMBER DATE RECE	itment, Stratege.	orage or	83	
ting to the applicable regulations of the post of the	This is to certify that the above named must the Department of Transportation, U.S. ppt the shipment of hazardous waste an TITLE	etenals are properly classific. EPA, and the State. The d has a valid permit to do DATE SHIPPED 11/3/83	so. I co	EXPEC	the foregoing is TED ARRIVAL DA	true an	to the	Transpect to the	orter name to best of	ned. The Trea of my knowled E NUMBER DATE RECE	itment, Stratege.	orage or	83	
ing to the applicable regulations of insposal Facility can and will accelled the second secon	This is to certify that the above named must the Department of Transportation, U.S. ppt the shipment of hazardous waste an TITLE	etenals are properly classific. EPA, and the State. The d has a valid permit to do DATE SHIPPED 11/3//83 TRANSPORTER NO. 1 RECEIPT OF SHIPMAEN	SIGNA	EXPEC	the foregoing is TED ARRIVAL DA	true an	to the	Transpect to the	orter name to best of	ned. The Trea of my knowled E NUMBER DATE RECE	IVED 3	orage or	83	
ing to the applicable regulations of inaposal Facility can and will accessing S SIGNATURE STATE STATE N.Y TER NO. 1 SIGNATURE AND CE	This is to certify that the above named must the Department of Transportation, U.Spt the shipment of hazardous waste an TITLE	etenals are properly classific. EPA, and the State. The d has a valid permit to do DATE SHIPPED 11/3//83 TRANSPORTER NO. 1 RECEIPT OF SHIPMAEN	SIGNA	EXPEC	the foregoing is TED ARRIVAL DA	true an	to the	Transpect to the	orter name to best of	DATE RECE	IVED 3	orage or	\$ 3 Year	<u>ک</u>
ing to the applicable regulations of imposal Facility can and will access in the second secon	This is to certify that the above named must the Department of Transportation, U.Spt the shipment of hazardous waste an TITLE	atenals are properly classific. EPA, and the State. The d has a valid permit to do DATE SHIPPED 11/31/83 TRANSPORTER NO. 1 RECEIPT OF SHIPMEN TAMPERING WITH SHIPPED 27 STATE NUMBER TRANSPORTER NO. 1	SIGNA IT MENT	EXPEC	ned above were coal the foregoing is TED ARRIVAL DA 3 / 9 3 IND CERTIFICATION AND CE	nsigned true an TE	I to the	Transpect to the PARLER GL	UCENS	DATE DELLY	VERED Day	orage or	83	<u>ک</u>
ing to the applicable regulations of praposal Facility can and will access in the second seco	This is to certify that the above named mod the Department of Transportation, U.S pit the shipment of hazardous waste an TITLE	etenals are properly classific. EPA, and the State. The d has a valid permit to do DATE SHIPPED 11/3/83 TRANSPORTER NO. 1 RECEIPT OF SHIPMEN	SIGNA IT MENT	EXPEC	ned above were coal the foregoing is TED ARRIVAL DA 3 / 9 3 IND CERTIFICATION AND CE	nsigned true an TE	I to the	Transpect to the PARLER GL	UCENS	DATE RECE Month DATE RECE Month DATE RECE Month	VERED Day	orage or	Year	<u>ک</u>
ing to the applicable regulations of insposal Facility can and will access in the second seco	This is to certify that the above named must the Department of Transportation, U.Spt the shipment of hazardous waste an TITLE	TRANSPORTER NO. 1 RECEIPT OF SHIPMEN STATE NUMBER TRAN RECEIPT OF SHIPMEN	SIGNA T MENT	EXPEC	ned above were coal the foregoing is TED ARRIVAL DA 3 / 9 3 IND CERTIFICATION AND CE	nsigned true an TE	I to the	Transpect to the PARLER GL	UCENS	DATE DELLY Month	VERED Day	orage or	\$ 3 Year	<u>ک</u>
reg to the applicable regulations of imposal Facility can and will access RTS SIGNATURE TER STATE N.Y. TER NO. 1 SIGNATURE AND CE TER CLE STATE	This is to certify that the above named must the Department of Transportation, U.Spit the shipment of hazardous waste an TITLE TITLE S. WASTE HAULER PERMIT NO. ERTIFICATION OF DELIVERY AND NON MUMBER	TRANSPORTER NO. 1 RECEIPT OF SHIPMEN STATE NUMBER TRAN RECEIPT OF SHIPMEN	SIGNA T MENT	EXPECTION TURE	ned above were coal the foregoing is TED ARRIVAL DA 3 / 9 3 IND CERTIFICATION AND CE	nsigned true an TE	I to the	Transpect to the PARLER GL	UCENS	DATE DELIN	Day VERED Day VERED Day VERED	orage or	S 3 Year	<u>ک</u>
TER NO. 2 SIGNATURE AND CE	This is to certify that the above named must the Department of Transportation, U.Spit the shipment of hazardous waste an TITLE TITLE S. WASTE HAULER PERMIT NO. ERTIFICATION OF DELIVERY AND NON MUMBER	STATE NUMBER TRAM RECEIPT OF SHIPMEN STATE NUMBER TRAM RECEIPT OF SHIPMEN	SIGNA T MENT	description of the control of the co	and above were or all the foregoing is TED ARRIVAL DA 3 / / 3 3 IND CERTIFICATION A 1 C	IND CEI	I to the di com	Transpect to it Transpect Transp	UCENS	DATE DELLY Month DATE RECE Month Month DATE RECE Month	VERED Day	3 /	Year Year	<u> </u>
ITER NO. 1 SIGNATURE AND CE STATE ST	This is to certify that the above named must the Department of Transportation, U.S. pit the shipment of hazardous waste an TITLE TITLE	STATE NUMBER TRAM RECEIPT OF SHIPMEN STATE NUMBER TRAM RECEIPT OF SHIPMEN	SIGNA T MENT	description of the control of the co	and above were or all the foregoing is TED ARRIVAL DA 3 / / 3 3 IND CERTIFICATION A 1 C	IND CEI	I to the di com	Transpect to it Transpect Transp	UCENS	DATE DELIN	Day VERED Day VERED Day VERED	HAN	S 3 Year)
TER NO. 1 SIGNATURE AND CE STATE STATE TER NO. 2 SIGNATURE AND CE STATE TER NO. 2 SIGNATURE AND CE	This is to certify that the above named must the Department of Transportation, U.S. pit the shipment of hazardous waste an TITLE TITLE	STATE NUMBER TRAM RECEIPT OF SHIPMEN STATE NUMBER TRAM RECEIPT OF SHIPMEN	SIGNA T MENT	description of the control of the co	and above were or all the foregoing is TED ARRIVAL DA 3 / / 3 3 IND CERTIFICATION A 1 C	IND CEI	I to the di com	Transpect to it Transpect Transp	UCENS	DATE DELIN	Day VERED Day VERED Day VERED	HAN	S 3 Year Year Year HDLIN)
TER NO. 1 SIGNATURE AND CE STATE STA	This is to certify that the above named must the Department of Transportation, U.S. pit the shipment of hazardous waste an TITLE TITLE	STATE NUMBER TRAM RECEIPT OF SHIPMEN STATE NUMBER TRAM RECEIPT OF SHIPMEN	SIGNA T MENT	description of the control of the co	and above were or all the foregoing is TED ARRIVAL DA 3 / / 3 3 IND CERTIFICATION A 1 C	IND CEI	I to the di com	Transpect to it Transpect Transp	UCENS	DATE DELIN	Day VERED Day VERED Day VERED	HAN	S 3 Year Year Year HDLIN)
ITER NO. 2 SIGNATURE AND CE	This is to certify that the above named must the Department of Transportation, U.S. pit the shipment of hazardous waste an TITLE TITLE	STATE NUMBER TRAM RECEIPT OF SHIPMEN STATE NUMBER TRAM RECEIPT OF SHIPMEN	SIGNA T MENT	description of the control of the co	and above were or all the foregoing is TED ARRIVAL DA 3 / / 3 3 IND CERTIFICATION A 1 C	IND CEI	I to the di com	Transpect to it Transpect Transp	UCENS	DATE DELIN	Day VERED Day VERED Day VERED	HAN	S 3 Year Year Year HDLIN) S
TER NO. 1 SIGNATURE AND CE STATE STA	This is to certify that the above named must the Department of Transportation, U.S. pit the shipment of hazardous waste an TITLE TITLE	STATE NUMBER TRAM RECEIPT OF SHIPMEN STATE NUMBER TRAM RECEIPT OF SHIPMEN	SIGNA T MENT	description of the control of the co	and above were or all the foregoing is TED ARRIVAL DA 3 / / 3 3 IND CERTIFICATION A 1 C	IND CEI	I to the di com	Transpect to it Transpect Transp	UCENS	DATE DELIN	VERED Day VERED Day VERED Day VERED Day VERED Day	HAN	S 3 Year Year Year HDLIN)
TER NO. 1 SIGNATURE AND CE STATE STATE TER STATE TER STATE TER NO. 2 SIGNATURE AND CE TER NO. 3 SIGNATURE AND CE TER NO. 4 SIGNATURE AND CE TER NO. 5 SIGNATURE AND CE TER NO. 6 SIGNATURE AND CE TER NO. 7 SIGNATURE AND CE TER NO. 7 SIGNATURE AND CE TER NO. 8 SI	This is to certify that the above named must the Department of Transportation, U.S. pit the shipment of hazardous waste an TITLE TITLE	STATE NUMBER TRAM RECEIPT OF SHIPMEN STATE NUMBER TRAM RECEIPT OF SHIPMEN	SIGNA T MENT	description of the control of the co	and above were or all the foregoing is TED ARRIVAL DA 3 / / 3 3 IND CERTIFICATION A 1 C	IND CEI	I to the di com	Transpect to it Transpect Transp	UCENS	DATE DELIN	VERED Day VERED Day	HAN	S 3 Year Year Year HDLIN) S
TER STATE STATE TER STATE STATE TER STATE TER STATE TER NO. 1 SIGNATURE AND CE STATE TER STATE TER NO. 2 SIGNATURE AND CE	This is to certify that the above named must the Department of Transportation, U.S. pit the shipment of hazardous waste an TITLE TITLE	STATE NUMBER TRAM RECEIPT OF SHIPMEN STATE NUMBER TRAM RECEIPT OF SHIPMEN	SIGNA T MENT	description of the control of the co	and above were coal the foregoing is TED ARRIVAL DA 3 / / 3 3 IND CERTIFICATION (A 1.0) / / / / / / / / / / / / / / / / / /	IND CEI	I to the di com	Transpect to it Transpect Transp	UCENS	DATE DELIN	VERED Day VERED Day VERED Day VERED Day VERED Day	HAN	S 3 Year Year Year HDLIN)
g to the applicable regulations of posal Facility can and will acce in posal Facility in posal Facilit	This is to certify that the above named mot the Department of Transportation, U.S. pit the shipment of hazardous waste an TITLE	SETATE NUMBER TRAMPERING WITH SHIPM STATE NUMBER TRAMPERING WITH SHIPM STATE NUMBER TRAMPERING WITH SHIPM TAMPERING WITH SHIPM T	MENT MENT MENT MENT MENT	description of the control of the co	and above were coal the foregoing is TED ARRIVAL DA 3 / / 3 3 IND CERTIFICATION (A 1.0) / / / / / / / / / / / / / / / / / /	IND CEI	I to the di com	Transpect to it Transpect Transp	OFF	DATE RECE // Month DATE RECE // Month DATE DELIV Month DATE DELIV Month DATE DELIV Month DATE DELIV Month	VERED Day VERED Day VERED Day VERED Day	HAN	S 3 Year Year Year HDLIN) S
TER NO. 1 SIGNATURE AND CE STATE STA	This is to certify that the above named must the Department of Transportation, U.S. pit the shipment of hazardous waste an TITLE TITLE	TAMPERING WITH SHIPM STATE NUMBER TRANSPORTER STATE NUMBER TRANSPORTER STATE NUMBER TRANSPORTER TAMPERING WITH SHIPM TO SHIPMEN	SIGNA T MENT	A description of the state of t	and above were coal the foregoing is TED ARRIVAL DA 3 / / 3 3 IND CERTIFICATION (A 1.0) / / / / / / / / / / / / / / / / / /	IND CEI	I to the di com	Transpect to it Transpect Transp	OFF	DATE DELIN	VERED Day VERED Day VERED Day VERED Day	HAN	S 3 Year Year Year HDLIN) S



Work Order No. 92369

ART A:						Waste Manifest No. <u>SS 93/9-00</u> ;												
NAME	SITE ADDRESS					PHONE NO.					EPA I.D. NO.							
PANOLE PWC	170 Gil	1701 Wheeling AVE GIENOME West Vilan			-	304-397-9640				0	SA GUAUTY CAMPET							
ANATUANDA TAUK RANSPORTER NO. 2 (IF ANY)	SITE ADDRESS 1701 Wheeling AVE GIEVONIC WEST VIGANIF 150AS 133 SOUTH BLANCHESTEL ON O																	
TREATMENT STORAGE OR DISPOSAL FACILITY					T													
CECOS INTERNATIONAL, INC.	19	WALKSBURG MI	110 11215		13	, 3	• -	34.15	11.		ોટ	العال	0.5	171	42	31	71	1
		HAN TWO TRANSPORTERS AR		TI	IE FIRS	ST MA			NT NO	ois	I							
PROPER U.S. DOT	ECOS ROD. CODE	U.S. DOT HAZARD CLASS	UN NUMBER	\top	FOR	CAS CALLEGE	D O	UANTITY		cu. vos.		CC	NIATAC	NERS	EPA HAZ. CODE	WA	EPA STE	TYPE
	ia.	02M-C	7189	X				26		Х		1	Τ.	11/4	jŪ,) 200		I
2		144 - <u>1</u> 94													•			
3	1	7	1	1	j	t												
4																		
5																		
6			1	- 1	- 1	- 1	1		1		1	ı			1			-
					\perp		-	29,260	Į)		\perp							
SPECIAL HANDLING INSTRUCTIONS INCLU-	Di	(-		DITIO	VAL W	VASTE			_	ENT C	F A N	ON-HA	ZARDOU	S NATU	RE			
GENERATOR'S CERTIFICATION 5 ding to the applicable regulations o	his is to co	C VANIDO certify that the above named matual contract of Transportation, U.S.	erials are properly clas	sified, (Jescrib	bed, pa	S INC	CLUDED IN S	nd lab	eled ar	nd are in	n proper	conditio	n for tran	asportatio	n accorage	x. or	
WHICH DO NOT HAVE TO BE MANIFESTE	his is to co	C VANIDO certify that the above named matual contract of Transportation, U.S.	erials are properly clas EPA, and the State. I has a valid permit to DATE SHIPPED	sified, (he was do so.	Jescrib stes de I certii	bed, pa escribe ify that (PECT)	ckaged about the t	ed, marked and overwere conforegoing is the RRIVAL DATE	nd labi	aled ar	nd are in e Trans rect to TRAILE	proper sporter the bes	r condition named. T st of my NSE NUM	n for tran he Treat knowled	isportatio	n acco	or.	
GENERATOR'S CERTIFICATION. T ding to the applicable regulations or Disposal Facility can and will access GENERATOR'S SIGNATURE TRANSPORTER VEHICLE VEHICL	This is to confirm Depth the shirt	C YAN DO certify that the above named mate partment of Transportation, U.S. priment of hazardous waste and TITLE	erials are properly clas EPA, and the State. I has a valid permit to	sified, (he was do so.	Sescrib stes de I certif EX	bed, pa escribe ify that (PECTI	ckaged about the	ed, marked at ove were contoregoing is the RRIVAL DATE	nd labi isigned true ar	aled ar	nd are in e Trans rect to TRAILE	proper sporter the bes	r condition named. T st of my NSE NUM	n for transite Treat knowled	isportatio	orage	or 	
GENERATOR'S CERTIFICATION. T ding to the applicable regulations or Disposal Facility can and will accept GENERATOR'S SIGNATURE TRANSPORTER VEHICLE 1.D. NO. STATE WHICH DO NOT HAVE TO BE MANIFESTE (6.0 STATE GENERATOR'S SIGNATURE TRANSPORTER VEHICLE 1.D. NO. STATE N.Y.	This is to confirm Depth the shirt	C VANIDO certify that the above named mate partment of Transportation, U.S. spring of hazardous waste and TITLE	erials are properly clas EPA, and the State. I has a valid permit to DATE SHIPPED	sified, (he was do so.	Sescrib stes de I certif EX	bed, pa escribe dy that (PECTI	ckaged about the	ed, marked at ove were contoregoing is the RRIVAL DATE	nd labi isigned true ar	aled ar	nd are in e Trans rect to TRAILE	proper sporter the bes	r condition named. T st of my NSE NUM	n for tran the Treat knowled ABER	sportatio	orage	or	
GENERATOR'S CERTIFICATION. T ding to the applicable regulations or Disposal Facility can and will accept GENERATOR'S SIGNATURE TRANSPORTER VEHICLE 1.D. NO. STATE WHICH DO NOT HAVE TO BE MANIFESTE (6.0 STATE GENERATOR'S SIGNATURE TRANSPORTER VEHICLE 1.D. NO. STATE N.Y.	this is to coff the Deppt the shirt	C VANIDO certify that the above named mate partment of Transportation, U.S. springer of hazardous waste and TITLE TITLE THAULER PERMIT NO.	erials are properly clas EPA, and the State. I has a valid permit to DATE SHIPPED TRANSPORTER NO. RECEIPT OF SHIPMI	asified, che was do so.	Sescrib stes de I certif EX	bed, pa escribe dy that (PECTI	ckaged about the	ed, marked at ove were contoregoing is the RRIVAL DATE	nd labi isigned true ar	aled ar	nd are in e Trans rect to TRAILE	proper sporter the bes	r condition named. T st of my NSE NUM	n for transite Treat knowled	Asportationment. St.	orage	or 	
GENERATOR'S CERTIFICATION. T ding to the applicable regulations or Disposal Facility can and will accept GENERATOR'S SIGNATURE TRANSPORTER VEHICLE 1.D. NO. STATE WHICH DO NOT HAVE TO BE MANIFESTE (6.0 STATE GENERATOR'S SIGNATURE TRANSPORTER VEHICLE 1.D. NO. STATE N.Y.	this is to coff the Deppt the shirt	C VANIDO certify that the above named mate partment of Transportation, U.S. springer of hazardous waste and TITLE TITLE THAULER PERMIT NO.	erials are properly clas EPA, and the State. I has a valid permit to DATE SHIPPED TRANSPORTER NO RECEIPT OF SHIPM AMPERING WITH SH	aslied, (he was do so.)	EX	ped, pa escribe fly that PECTI PRE AN	S INCO	ed, marked at overweed conforegoing is the RRIVAL DATE	ind laboration of laboration o	d to the	nd are in a contract to the co	proper porter the bes	r condition named. T st of my NSE NUM	n for transite Treat knowled MBER E RECEI Month	Sportation ment. St ge. VED Date ERED Date	ú	or 	
GENERATOR'S CERTIFICATION. T ding to the applicable regulations o Disposal Facility can and will acces GENERATOR'S SIGNATURE ONLY TRANSPORTER VEHICLE I.D. NO. TRANSPORTER NO. 1 SIGNATURE AND CE TRANSPORTER NO. 2 VEHICLE I.D. NO. STATE TRANSPORTER NO. 2 VEHICLE I.D. NO. STATE	This is to coof the Depth the shu	C VAN DO certify that the above named mate continent of Transportation, U.S. springer of hazardous waste and TITLE TITLE TE HAULER PERMIT NO.	erials are properly clas EPA, and the State. I has a valid permit to DATE SHIPPED TRANSPORTER NO. RECEIPT OF SHIPMI STATE NUMBER TE RECEIPT OF SHIPMI	SIGNATURE NEW YORK THE TENT OF	EX //	ped, pa escribe fly that PECTI	S INCO	ed, marked at overweed conforegoing is the RRIVAL DATE	ind laboration of laboration o	d to the	nd are in a contract to the co	proper porter the bes	DAT	In for transition of the Treet knowled MBER E RECEI Month E DELIV Annth E RECEI Month	VED Day VED Day	/ /	e Yes	
GENERATOR'S CERTIFICATION. T ding to the applicable regulations o Disposal Facility can and will accept GENERATOR'S SIGNATURE TRANSPORTER VEHICLE 1.D. NO. TRANSPORTER NO. 1 SIGNATURE AND CE TRANSPORTER NO. 2 SIGNATURE AND CE TRANSPORTER NO. 2 SIGNATURE AND CE	This is to cool the Dept the shirt of the Dept the shirt of the Shirt	C VAN DO certify thet the above named mate partment of Transportation, U.S. priment of hazardous waste and TITLE TITLE TO DELIVERY AND NON-T NUMBER TION OF DELIVERY AND NON-T	erials are properly clas EPA, and the State. I has a valid permit to DATE SHIPPED TRANSPORTER NO RECEIPT OF SHIPMI AMPERING WITH SH AMPERING WITH SH AMPERING WITH SH	Saified, the was a solution of the was a sol	describition of the control of the c	peed, pa escribe ify that (PECTI (IRE AN	S INCO	ed, marked an ove were conforegoing is the RRIVAL DATE.	HIPM and laboration of laborat	RTIFIC	are in e Transfer to TRAILE	n property the best R LICE!	DAT	In for transition in for transition in for transition in forest knowled MBER A STATE OF THE METERS IN THE METERS	VED Day VED Day	/ /	yes Yes	
GENERATOR'S CERTIFICATION. T ding to the applicable regulations o Disposal Facility can and will acces GENERATOR'S SIGNATURE ONLY TRANSPORTER VEHICLE I.D. NO. TRANSPORTER NO. 1 SIGNATURE AND CE TRANSPORTER NO. 2 VEHICLE I.D. NO. STATE TRANSPORTER NO. 2 VEHICLE I.D. NO. STATE	This is to cool the Dept the shirt of the Dept the shirt of the Shirt	C VAN DO certify thet the above named mate partment of Transportation, U.S. priment of hazardous waste and TITLE TITLE TO DELIVERY AND NON-T NUMBER TION OF DELIVERY AND NON-T	erials are properly clas EPA, and the State. I has a valid permit to DATE SHIPPED TRANSPORTER NO RECEIPT OF SHIPMI AMPERING WITH SH AMPERING WITH SH AMPERING WITH SH	Saified, the was a solution of the was a sol	describition of the control of the c	peed, pa escribe ify that (PECTI (IRE AN	S INCO	ed, marked an ove were conforegoing is the RRIVAL DATE.	HIPM and laboration of laborat	RTIFIC	are in e Transfer to TRAILE	n property the best R LICE!	DAT	n for trans the Treat knowled ABER E RECE! Wonth E DELIV Month E DELIV	VED Day ERED Day ERED Day ERED	-ú	Yes	NG
GENERATOR'S CERTIFICATION. T ding to the applicable regulations o Disposal Facility can and will acces GENERATOR'S SIGNATURE TRANSPORTER VEHICLE 1.D. NO. TRANSPORTER NO. 1 SIGNATURE AND CE TRANSPORTER NO. 2 SIGNATURE AND CE	This is to cool the Dept the shirt of the Dept the shirt of the Shirt	C VAN DO certify thet the above named mate partment of Transportation, U.S. priment of hazardous waste and TITLE TITLE TO DELIVERY AND NON-T NUMBER TION OF DELIVERY AND NON-T	erials are properly clas EPA, and the State. I has a valid permit to DATE SHIPPED TRANSPORTER NO RECEIPT OF SHIPMI AMPERING WITH SH AMPERING WITH SH AMPERING WITH SH	Saified, the was a solution of the was a sol	describition of the control of the c	peed, pa escribe ify that (PECTI (IRE AN	S INCO	ed, marked an ove were conforegoing is the RRIVAL DATE.	HIPM and laboration of laborat	RTIFIC	are in e Transfer to TRAILE	n property the best R LICE!	DAT	n for trans the Treat knowled ABER E RECE! Wonth E DELIV Month E DELIV	VED Day ERED Day ERED Day ERED	-ú	Year Year NDLI	NG
GENERATOR'S CERTIFICATION. T ding to the applicable regulations o Disposal Facility can and will acces GENERATOR'S SIGNATURE TRANSPORTER VEHICLE 1.D. NO. TRANSPORTER NO. 1 SIGNATURE AND CE TRANSPORTER NO. 2 SIGNATURE AND CE	This is to cool the Dept the shirt of the Dept the shirt of the Shirt	C VAN DO certify thet the above named mate partment of Transportation, U.S. priment of hazardous waste and TITLE TITLE TO DELIVERY AND NON-T NUMBER TION OF DELIVERY AND NON-T	erials are properly clas EPA, and the State. I has a valid permit to DATE SHIPPED TRANSPORTER NO RECEIPT OF SHIPMI AMPERING WITH SH AMPERING WITH SH AMPERING WITH SH	Saified, the was a solution of the was a sol	describition of the control of the c	peed, pa escribe ify that (PECTI (IRE AN	S INCO	ed, marked an ove were conforegoing is the RRIVAL DATE.	HIPM and laboration of laborat	RTIFIC	are in e Transfer to TRAILE	n property the best R LICE!	DAT	n for trans the Treat knowled ABER E RECE! Wonth E DELIV Month E DELIV	VED Day VED Day VED Day VED Day 2	HAM	Year Year NDLH	NG
GENERATOR'S CERTIFICATION. T ding to the applicable regulations o Disposal Facility can and will acces GENERATOR'S SIGNATURE TRANSPORTER VEHICLE 1.D. NO. TRANSPORTER NO. 1 SIGNATURE AND CE TRANSPORTER NO. 2 SIGNATURE AND CE	This is to cool the Dept the shirt of the Dept the shirt of the Shirt	C VAN DO certify thet the above named mate partment of Transportation, U.S. priment of hazardous waste and TITLE TITLE TO DELIVERY AND NON-T NUMBER TION OF DELIVERY AND NON-T	erials are properly clas EPA, and the State. I has a valid permit to DATE SHIPPED TRANSPORTER NO RECEIPT OF SHIPMI AMPERING WITH SH STATE NUMBER TE RECEIPT OF SHIPMI AMPERING WITH SH	Saified, the was a solution of the was a sol	describition of the control of the c	peed, pa escribe ify that (PECTI (IRE AN	S INCO	ed, marked an ove were conforegoing is the RRIVAL DATE.	HIPM and laboration of laborat	RTIFIC	are in e Transfer to TRAILE	n property the best R LICE!	DAT	n for trans the Treat knowled ABER E RECE! Wonth E DELIV Month E DELIV	VED Day ERED Day 1	HAM	Year Year NDLH	NG
GENERATOR'S CERTIFICATION. T ding to the applicable regulations o Disposal Facility can and will accept GENERATOR'S SIGNATURE TRANSPORTER VEHICLE 1.D. NO. TRANSPORTER NO. 2 VEHICLE 1.D. NO. STATE TRANSPORTER NO. 2 SIGNATURE AND CE	This is to coof the Depot the ship of the Depot the ship of the sh	C VAN DO certify thet the above named mate sertment of Transportation, U.S. spring of the property of the pro	erials are properly clas EPA, and the State. I has a valid permit to DATE SHIPPED TRANSPORTER NO. RECEIPT OF SHIPMI STATE NUMBER TE RECEIPT OF SHIPMI AMPERING WITH SH MANIFEST AND SHII	Saified, the was a solution of the was a sol	describition of the control of the c	peed, pa escribe ify that (PECTI (IRE AN	S INCO	ed, marked an ove were conforegoing is the RRIVAL DATE.	HIPM and laboration of laborat	RTIFIC	are in e Transfer to TRAILE	n property the best R LICE!	DAT DAT	n for trans the Treat knowled ABER E RECE! Wonth E DELIV Month E DELIV	ERED Day ERED Day ERED Day 4	HAM	Year Year NDLH	NG

V

Style F15R-6

Labelmaster, Div. of American Labelmark Co. Inc. 60646

EPA Form 200-22 (Rev. 4-85) Previous edition is obsolete

Style F15R-6 "Labelmaster, Div. of American Labelmark Co. Inc. 60646

Printed/Typed Name

EPA Form 8700-22 (Rev. 4-85) Previous edition is obsolete.

Month Day

Year

Signature

(2)

SUPPLEMENTAL MEMO

Triangle PWC, Glen Dale Plant, West Virginia
WVD004314928
March 10, 1987
James R. Fenske, West Virginia Department of Natural Resources, Division
of Waste Management

Following the March 6, 1987 CEI, I talked with Mr. McClarin via phone conversation about the cyanide storage tanks and the two underground storage tanks. Mr. McClarin stated that Triangle PWC had already notified the Division of Waste Management about the facility's underground storage tanks. Mr. McClarin also stated that there should have been no cyanide tanks except for maybe one to two of the tanks (e.g.- the tank where the readings were 34 ppm).

The tank testing by Pittsburgh Testing Laboratory involved taking pieces of the actual tanks for samples. We then discussed further decontamination methods for the tanks including sandblasting the tanks or chemical treatment if deemed to be necessary by the West Virginia Department of Natural Resources. Mr. McClarin stated he would discuss the cyanide tank issue further with Mr. Rob Jelacic, Hazardous Waste Management Section Leader, about what procedures Triangle PWC should take.



Harden Enter

U.S. invironmental Protection Agency Region III Wheeling Field Section 303 Methodist Bldg., 11th & Chapline Sts. Wheeling, WV. 26003

DATE: August 12, 1983

SUBJECT: Trip Report-RCRA Inspection-Triangle PWC, Inc., Glendale, WV.

FROM: James L. Bailey, Engineering Technician Wheeling Field Section, Water Unit (3ES13)

TO: Gary V. Bryant, Acting Chief Wheeling Field Section (3ES13)

Date of trip: August 9, 1983

Place visited: Triangle PMC, Inc.

Glendale, WV.

EPA Generator ID # WVD005004536

Person Contacted: Mr. Charles McClarin
Technical Superintendent

The work activities at Triangle PWC are hot dip galvanizing of pipe and strip and electro-plating pipe and strip with acid zinc. The pickling solutions are sulfuric acid and hydrochloric acid.

The spent pickling solution goes to Central Waste Treatment where it is neutralized with lime. The supernate (pH range 8.0 to 9.0) is discharged through their NPDES outfall. The dewatered sludge is stored on site and periodically trucked to the Wheeling, WV., landfill. West Virginia Department of Natural Resources has approved of this disposal method with the stipulation that the sludge be mixed with the cover material.

Recently 3,265 tons of sludge (generated over two full years of operation) was taken to the Wheeling landfill. Section 265.1(c)(10), elementary neutralization exempts Triangle PWC from the RCRA Regulation. Also at Triangle, according to Mr. McClarin, is a cyanide plating tank containing dried sludge with 66.1 mg/kg of cyanide. The cyanide plating unit has not been used in eight years.

The dried sludge will be removed in the near future. The removal will be handled by CECOS the sludge is to be taken to the industrial landfill near Cincinatti, Oh., and the manifest system will be used.

	4/
EVALUATION - VIOLATION - ENFORCEMENT FOR	Derman, y
HANDLER Date !	Submitted
ID Number W V: D: 0 : 0 : 4 : 3 : 1 : 4 : 9 : 2 : 8 LDF[] TSF[] INC[] LOG[] SQG[X] TRA[] Handler Name	
Triangle PWC, Inc.	
Street City Glen Dale, WV 26038	,
EVALUATION Add X Change Delete	88888888888
Date # Number # Agency # Type # Reason Branch	Person
	? <u>S.B</u> .
Areas of Evaluation (EV - Evaluated, NE - Not Evaluated, NA - Not Applicable)	
GER GOR NA TGR NA DCH NA DGW NA DMC NA DPP NA CAS	نـــا
GEX GPT N A TMR N A DCL N A DIN N A DMR N A DSI N, A FEA	ســــــ
GGR N A GRR N A TOR N A DCP N A DLB N A DOR N A DTR N A	لسلسا
GLB N A GSC E V TRR N A DFR N A DLF N A DOT N A DTT N A	
GMR N A GSQ E V TWO N A DGS N A DLT N A DPB N A DWP N A	
Comments No Violations Noted	0.00000.0000
VIOLATION Add Change Delete Segulation Citation Agency Mumber Area Class Regulation Type Regulation Citation	
The state of the s	
Returned to Compliance Date Determined Priority Branch Person Scheduled Actual	
Water Development of the Control of	:
VIOLATION Add Change Delete	
Agency Mumber Area Class Regulation Type Regulation Citation	200000000000000000000000000000000000000
Returned to Compliance	
Date Determined Priority Branch Person Scheduled A Actual A	$\overline{}$
Comments	
VIOLATION Add Change Delete	
Agency # Number # Area # Class # Regulation Type Regulation Citation	
Date Determined A Priority Branch Person Scheduled A Actual A	
Comments	
VIOLATION Add Change Delete	
Agency M Number Area Class M Regulation Type Regulation Citation	
Returned to Compliance	

:

لـــن

L

Ĺ

لــ